Washington Talks It Over—page 5

Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

ABC

Volume 142 No. 1 — Schnell Publishing Company, Inc., Publishers — July 6, 1942

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Chemical	Formula	Boiling Point °C. at 760 mm.	Suggested Uses
Acetoacet-o-toluidide	$CH_3COCH_2CONHC_6H_4CH_3$	(a)	Dyestuff intermediate
Benzyl "Cellosolve"	$C_6H_5CH_2OCH_2CH_2OH$	256	High-boiling solvent
Butyl "Cellosolve" Acetate	$C_4H_9OCH_2CH_2OCOCH_3$	192	Lacquer solvent
"Dehydranone" (Dehydracetic Acid)	$CH_3COCHCOCH{:}C(CH_3)OCO$	(b)	Camphor-like plasticizer
Dichlorethyl Formal	$CH_2(OCH_2CH_2Cl)_2$	218	Elastomer intermediate
Dichlorisopropyl Ether	$(ClCH_2(CH_3)CH)_2O$	187	Textile assistant
Diethyl "Cellosolve"	$C_2H_5OC_2H_4OC_2H_5$	121	Nitrocellulose solvent
Diglycol Diacetate	$(CH_3COOCH_2CH_2)_2O$	250	Printing ink solvent
Diisopropanolamine	$(CH_3CHOHCH_2)_2NH$	249	Emulsifying agent intermediate
Dimethyl Dioxane	$OCH(CH_3)CH_2OCH_2CH(CH_3)$	117	Solvent, extractant
Dimethylethanolamine	$(CH_3)_2NCH_2CH_2OH$	133	Emulsifying agent intermediate
N-Ethyl Morpholine	$CH_3CH_2NCH_2CH_2OCH_2CH_2$	138	Solvent, emulsifying agent
Glycol Diformate	$HCOOCH_2CH_2OCOH$	177	Solvent, embalming agent
Hexanol	$CH_3(CH_2)_4CH_2OH$	157	Drug intermediate, perfumes
Hexyl Ether	$C_6H_{13}OC_6H_{13}$	226	Defoamer, inert reaction medium
Isopropanolamine	$CH_3CH(OH)CH_2NH_2$	160	Emulsifying agent, intermediate
Methyl "Carbitol" Acetate	$CH_3COOC_2H_4OC_2H_4OCH_3$	209	Printing ink solvent
Methyl "Cellosolve" Acetal	$CH_3CH(OCH_2CH_2OCH_3)_2$	207	Source of nascent acetaldehyde
Methyldiethanolamine	$CH_3N(C_2H_4OH)_2$	247	Intermediate, emulsifying agent
4-Methyl Dioxolane	$CH_3CHOCH_2OCH_2$	85	Cellulose acetate solvent
N-Methyl Morpholine	$CH_2CH_2OCH_2CH_2NCH_3$	115	Emulsifying agent, intermediate
N-Phenyl Morpholine	$C_6H_5NCH_2CH_2OCH_2CH_2$	(c)	Dyestuff intermediate
Polyethylene Glycols	$HO(CH_2CH_2O)xH$	(d)	Solvents, plasticizers, alkyd resins
Sodium Acetoacetyl-p-sulfanilate	$CH_3COCH_2CONHC_6H_4SO_3Na$	(e)	Dyestuff intermediate
Tetraethanolammonium Hydroxide	$(HOCH_2CH_2)_4NOH$	(f)	Solvent, strong base
Trichlorethane	$ClCH_2CHCl_2$	113	Solvent, extractant
Triglycol Dichloride	$ClC_2H_4OC_2H_4OC_2H_4Cl$	241	Solvent, plasticizer, intermediate

(a) Melts at 106°C. (b) Melts at 108°C. (c) Melts at 52 to 56°C. (d) Non-volatile, hygroscopic (e) Aqueous solution (f) Melts at 123°C.

This is a summary of research chemicals announced in our recent advertisements. Although in most cases, only research quantities of these chemicals are available now, it is possible that commercial quantities will be made in the future if important uses develop.

For information concerning the use of these chemicals, address:

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

SCHNELL PUBLISHING COMPANY, INC., PUBLISHERS

Volume 142 | July 6, 1942 | Number 1

Chrome Chemicals Further Restricted

OPD Washington Bureau
July 2, 1942

Restrictions on the use of chrome chemicals, particularly in the manufacture of pigments and printing inks, were eased today by the Director of Industry Operations. Revisions were made in orders M-18-b, covering various uses of chrome chemicals, and M-53, which relates to the use of chrome pigments in printing inks.

The orders cover chrome chemicals only and have no bearing on metallurgical or refractory grades of chromium. Approximately 12 percent of the total chromium supply is used for chemicals, of grades not adaptable for other uses.

M-18-b lifts the restriction on the manufacture of chrome pigments from 90 percent of the base period, the year ending June 30, 1941, to 100 percent. Use of chrome chemicals in the manufacture of ceramics, soap and glass, heretofore prohibited, is limited to 100 percent of the base period. In roofing materials, also prohibited by the orig-

—Continued on page 59

Film Scrap Prices Ceiled by OPA

OPD Washington Bureau
June 30, 1942

A schedule of maximum prices for unwashed, or washed film scrap, when sold in quantities equalling or exceeding 50 pounds, and for dissolved film scrap, when sold in quantities equalling or exceeding five gallons, has been established under maximum price regulation No. 171 on nitrocellulose film scrap. The regulation became effective today. When used in regulation No. 171, the term:—

"Person" means an individual, corporation, partnership, association, or any other organized group of persons, or legal successor or representative of any

—Continued on page 34

Priorities on War Orders Rerated

OPD Washington Bureau
July 3, 1942

Provision for rerating war orders and for applying a new series of high preference ratings is made in priorities regulation No. 12, and amendments to priorities regulations 1 and 3, issued today by the Director of Industry Operations. The new ratings are AAA, AA-1, AA-2, etc., all of which will take preference over A-1-a ratings. Heretofore the highest rating has been AA, whose use was permitted only by special authoriza-

—Continued on page 71

GMPR Modified For U.S. Territories

OPD Washington Bureau
July 2, 1942

Special conditions peculiar to two territories of the United States—Puerto Rico and the Virgin Islands—were recognized today by Price Administrator Leon Henderson in a supplementary regulation modifying several features of the General Maximum Price Regulation as they affect the islands. The modifications are:—

The base period for determination of ceiling prices under the General Maximum Price Regulation in Puerto Rico and the Virgin Islands has been changed from the month of March, to the period from April 10 to May 10, 1942.

The date by which sellers on these islands must have their statements of

—Continued on page 59

OPA Ration Rules Apply to Puerto Rico

OPD Washington Bureau
July 2, 1942

The Office of Price Administration has been given rationing authority over all commodities in Puerto Rico and the Virgin Islands by supplementary directive No. 1-J, issued by the Director of Industry Operations. Export sales from Puerto Rico and the Virgin Islands will be subject to OPA's rationing control, but will also be governed by the export control exercised by the Board of Economic Warfare.

Only sales to the United States armed forces, the Maritime Commission, Panama Canal, Coast and Geodetic Survey, Coast Guard, Civil Aeronautics Authority, National Advisory Commission for Aeronautics and the Office of Scientific Research and Development are exempt from the rationing authority conferred by the directive.

'Drug Trust' Petition To Be Argued July 7

Argument will be made July 7 before Judge William F. Smith in the United States District Court in Newark, N. J., on the petition of the National Wholesale Druggists Association and other defendants for a bill of particulars of the government's charges in the action against them under the antitrust laws.

—Continued on page 57

"Acid Trust" Indictment Trial May Be Deferred for Duration

OPD Washington Bureau, July 2, 1942

Studies have been undertaken by the War Department of the possible effect upon the war production program of the government proceeding at this time with prosecution of some twenty-one chemical companies and sixty-five of their officials indicted last week by a Federal Grand Jury sitting at South Bend, Ind., for alleged violation of the antitrust laws in the production of acids.

There was no advance information obtainable on the probable attitude that the department would take in the matter, but it was believed that if its studies showed that trial of the cases would interfere with production of war materials by the companies it would request Attorney General Biddle to postpone further action for the duration.

There are several precedents for such action, the latest one being in the case of the antitrust action of the Department of Justice against Allied Chemical & Dye Corporation and seven other dyestuffs producers which were indicted in May by a Federal Grand Jury sitting at Trenton, N. J., for allegedly engaging in restrictive practices in the distribution of dyestuffs.

Also there is a general understanding between the Department of Justice and the War Department that if the latter regards any action against a firm under the antitrust laws as likely to delay the production of war materials, further proceedings under the indictments are to be held in abeyance. A number of the firms indicted last week are engaged to a very large extent in producing chemicals for the war program.

Six indictments were returned, according to the Department of Justice, charging in the main that the companies and their officials for a number of years have been engaging in price-fixing practices and controlling the output of chromic, formic, muriatic, oxalic and sulphuric acids, and bichromates of soda and potash.

Formic Acid

The indictment in the formic acid case was returned against five companies and thirteen individuals who were charged with conspiring to fix, control, and stabilize the price of formic acid sold in the United States and with monopolizing the sale of formic acid for the past six years. Companies engaged in this conspiracy, according to the indictment, were: E. I. duPont de Nemours & Co.; Victor

—Continued on page 42

Superphosphate Prices To AAA Raised

OPD Washington Bureau
July 2, 1942

Because consumers' prices for superphosphate are more typical of the March 1942 level than those ceilings set for the Agricultural Adjustment Agency of the Department of Agriculture, which were based on purchases made a year ago, Price Administrator Leon Henderson today raised the maximum prices which manufacturers may charge the government agency, to the same levels as those paid by other consumers. AAA purchases superphosphate and distributes it to farmers as part of its soil conservation program. Such purchases aggregate roughly 10 per cent to 15 per cent of the total output. The new amendment becomes effective July 4.

Majority of AAA purchases of superphosphate were made on a yearly contract basis in June, 1941. Although AAA made some additional purchases during September and December 1941, prices established during June 1941 were not exceeded. AAA purchases of superphosphate, until the current amendment No. 1 to maxi-

—Continued on page 71

Export License Rules Revised On Less Than $25 Shipments

OPD Washington Bureau, July 3, 1942

Changes in export controls permitting shipments under general licenses of a number of chemicals and drug products made effective July 1 by the Board of Economic Warfare in an amendment to its orders covering general licenses to export. Exceptions which require exporters to obtain individual licenses, however, were made in the case of the following:—

Atropine, belladonna, caffeine, digitalis seeds, hempseed, homotropine, hyoscine (scopolamine), and hyoscyamus (henbane).

Under the new regulations, shippers are authorized to export under general license all articles and materials except some 250 scarce commodities, including certain chemicals, pharmaceuticals, and medicinals, to a selected group of 81 destinations known as the K group, where, in a single shipment, the net value of such commodities, when classified under the same Department of Commerce statistical number, does not exceed $25.

Reduced supplies of certain other medicinals, pharmaceuticals, and medicinal chemicals in the United States also have made necessary changes in export controls under which these commodities are shipped to group K destinations. The new regulations provide that the following medicinal articles or materials (including their forms, conversions and derivatives and whether or not contained in a preparation), may be exported under general license to the K group only in amounts not exceeding $25 net value:—

Arnica, bromides and bromates in medicinal preparations, carbarsone, cassia oil, colchicum, lethicin, senna, stramonium, vitamins and viosterols, not specified elsewhere (including preparations).

Other medicinals, pharmaceuticals, and chemicals usable solely for medicinal purposes, including their forms, conversions and derivatives, may be exported under general license to the 81 destinations in cases where in a single shipment the materials classified under a B or F schedule number do not exceed $100 in value.

All medicinals, pharmaceuticals, and medicinals chemicals may be exported to Great Britain and Northern Ireland, Canada, Newfoundland, Iceland, Greenland, and the U.S.S.R. under general license, regardless of value, with the following exceptions:—

Aconite, agar, atropine, belladonna, cacodylic acid, caffeine, cinchona bark, digitalis seeds, homatropine, hyoscine (scopolamine), hyoscyamus (henbane), quinine*, theobromine, theophylline, vitamin A†.

* Except preparations containing less than 10 percent in value of quinine sulphate or its equivalent, which may be exported under general license.

† Except when contained in capsules, ampules, and similar dosage forms.

General export licenses which authorize shipments not exceeding a specified value may not be used under any circumstances for the purpose of effecting export of articles and materials in excess of the established maximum value which would otherwise require individual licenses. Ths regulation applies whether such exporting is sought by splitting an order into two or more shipments or by securing a large number of similar separate orders.

Tank Trucks Exempt From ODT No. 6

OPD Washington Bureau
July 1, 1942

A general permit exempting tank trucks from provisions of General Order ODT No. 6, governing trucks used in local delivery service, was renewed today for a period of fifteen days. The new exemption, General Permit ODT No. 6-4, covers the period beginning July 1 and ending July 15, replacing General Permit ODT No. 6-3, the effective period of which ends at midnight tonight.

Return Loads

The effective date of provision of General Orders ODT Nos. 3, 4 and 5 requiring certain trucks to carry return loads, has been postponed from July 1 to July 15, the Office of Defense Transportation has announced. The postponement was issued to allow more time for a general revision of the orders governing trucks operated by common, contract, and private carriers in over-the-road service.

As originally drawn, the orders prohibited trucks from returning to the point of origin unless loaded to at least 75 percent of capacity, consid-

—Continued on page 68

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals, oils, and drugs is currently as follows:—

July 3, 1942	June 26, 1942	July 3, 1941
144.0	144.0	124.9

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

The price picture last week of the chemical and related markets had the same color as that in the preceding period—tinged chiefly with agricultural changes—and the same, although slighter, lessening of strength; this time in the fatty oils section. Vitamin B_1 was the only item changed which does not come, more or less distantly, from down on the farm; although film scrap, also reduced, may squeeze into that category in spite of its cellulosic origin.

Business in type and volume rolled along as in recent weeks, with some reflection of seasonal activities on the civilian side. Official utterances in WPB and elsewhere provoked expectations that the demands of war production would make further and increasing inroads on supplies of a number of materials. These thoughts were borne out by the issuance of several new or tighter allocation orders. The necessity of industrial conversion to war work, to new materials, or to new products steadily becomes more imperative.

Prices were advanced on some Batavia cassias, Zanzibar cloves, Cochin ginger, West Indian nutmegs, Japanese chillies, and imported dried blood.

Prices were reduced on some Batavia cassias, domestic and Argentine casein, crude corn, peanut, and soybean oils, imported edible olive oil, anise oil, thiamine hydrochloride, gum rosin, gum turpentine, film scrap, Chilean marjoram, Mombassa chillies, pimento, California sage, and high-grade dried blood at Chicago.

Paint Production Clubs News

A roundup of the activities of the various clubs of the Federation of Paint and Varnish Production Clubs during June follows:—

C.D.I.C.

The June meeting of the Cincinnati, Dayton, Indianapolis, Columbus Production Club was held at the Columbus Club with forty-nine golfers entered in the annual tournament.

Following the dinner the roll call revealed seventy members and guests present. All business was dispensed. President Haniewich introduced Dr. C. J. Opp, who presented an amusing and entertaining skit on "The Paint Chemist." Numerous demonstrations were given, culminating in a demonstration of a thermite bomb, with Mike Davis assisting. Bill Mehnert won the Reichhold trophy and also won the blind bogey handicap.

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Abe Fortes Confirmed Interior Undersecretary

OPD Washington Bureau
July 2, 1942

Nomination of Abe Fortes by President Roosevelt to the post of Undersecretary of the Department of Interior was confirmed this week by the senate. He succeeds Undersecretary John J. Dempsey who resigned. Mr. Fortes was first associated with the affairs of the Department in 1938 when he became general counsel of the Federal Emergency Administration of Public Works.

Contents of This Issue

News and Statistics

"Acid Trust" Indictment Trial May Be Deferred for Duration..... 3
Formic Acid
Sulphuric Acid
Chromic Acid
Abe Fortes Confirmed Interior Undersecretary 4
Alaska Gets Special Price Ceiling Formula 7
Alexander Calls Scrappers 7
Allied Asphalt Gets Kraaz to Head New Wax, Oil Div..... 66

Byrnes' 50 Years In Shellac Industry 7

Carbon Tetrachloride Drums Take Deposit 5
Chrome Chemicals Further Restricted 3
Civilian Supply Plans Inventory Study 4

DCAT Honors John J. Toohy..... 60
"Drug Trust" Petition To be Argued July 7 3

Evans Chemetics Adds to Laboratory Staff 66
Explosives Carrying by Air Permitted 41
Export Allocations Set for Third Quarter 7
Export License Rules Revised on Less Than $25 Shipments..... 3
Export Managers Name Helen Devlin Secretary 7
Export Price Ceiling Regulation Revised 7

Film Scrap Prices Ceiled by OPA... 3
Formaldehyde Plant for Eire..... 72

General Dyestuff Taken Over by A.P.C. 4
Glass Container Monopoly End Sought 4
GMPR Modified for U.S. Territories 3

Imports Control Order M-63 Is Amended 7

Hyatt Medal to Honor Achievement in Plastics 4

Latin American Oils Resources Are Studied 5
Ludlow Joins Air Corps..... 60

Mo. Drug Chemical Group Holds Golf Tournament..... 57
Monsanto Chemical Transfers Eckert and Comstock..... 66

National Salvage Drive to Start July 13 7

OPA Is Hunting for Reasons to Lower Chemical Ceilings 3
OPA Ration Rules Apply to Puerto Rico 3

Paint Production Clubs News..... 4
Paint, Varnish, Lacquer Sales: May 47
Pfizer Stock Oversubscribed..... 71
Priorities on War Order Rerated... 3
Protective Coatings Unit Has 33 WPB Workers..... 5

Rieber Ousting Asked by Barber Asphalt Holder..... 66

S.C.I. Medal Awarded to Howe.... 5
Sherman Quits A.T.F.A.C..... 66
Sundheimer, Inc., Names Goldbach Vice-President 41
Superphosphate Prices to AAA Raised 3

Tank Trucks Exempt From ODT No. 6 3
Return Loads
Local Delivery
Troops Before Freight
Materials Section Head
Railway Transport
Tin Ore Takings From Bolivia Increased 7
Tricresyl, Triphenyl Phosphates Allocated 4
Trigg Dinner Marks His 50th Anniversary 5
Martin Praises Pioneers
Trigg Reviews Progress
Tungsten End-Use Control Tightened 7

Uhe First Lieutenant in U.S. Sanitary Corps..... 66

Warfare Chemicals Discussed..... 41
Williams Elected to U.S.I. Directorate 5
WPB Appoints Four to Clear Problems for 12 Field Directors..... 7
WPB Classifications Card Issued by Westvaco 41

General Features

Bids Wanted..... 59
Closing Market Developments..... 4
Current Market Quotations..... 9
Defense Materials Price Trend..... 4
Editorials 36
The 'Acids Trust'
Realization Is Overdue
Guard Your Narcotics
Warring Is for Warriors
Foreign Trade Rules..... 72
Chemicals
Chromates
Quebracho
Pure Fixed Oils
Industrial Uses of Chemicals..... 61
Benzene Sulphonylchloride
Betanaphthalene Sulphonylchloride
Bis-2:4-dimethoxy-5-chloranilide of Tetraphthaloyldiacetic Acid
Iron and Steel
Isobutane
Isobutyl Alcohol
Isobutylamine
Isobutyraldehyde
Paratoluene Sulphonylchloride
Soap
Obituaries 68
William R. Acheson
OPD Price Index..... 4
Scientific and Professional Services 53
Shipping Information..... 72
New York Imports
Baltimore Imports
Special Market Reports:—
Carbon Tetrachloride..... 39
Soda Bichromate..... 43
Coaltar Colors..... 44
Ilmenite-Titanium 47
Chinawood Oil..... 51
Glauber, the Modest..... 55
Annatto 63
Bergamot Oil..... 65
Naphtha Prices..... 67
Soda Nitrate Prices..... 69
Substitutes and Extenders..... 46
Alkyd Resins
Aluminum Powder
Aluminum Stearate
Antimonial Lead
Barytes
Bentonite
Benzoic Acid
Borax
Glycerin
Japan Wax
Latex
Lemongrass Oil
Montan Wax
Orthocresol
Phenol-Aldehyde Resins
Quince Seed
Quinine
Red Lead
Rose Oil
Saponin
Sodium Hyposulphite
Sulphonated Lauryl Alcohol
Sweet Almond Oil
Tin
Tin Babbitt Metal
Trichloroethylene
Triethanolamine
Turpentine Oil
What You Can Use..... —

Market Reports

Botanical Drugs, Spices, Gums..... 63
Coaltar Chemicals..... 44
Drugs and Fine Chemicals..... 55
Dyestuffs, Textile and Leather Chemicals 43
Essential Oils and Aromatic Chemicals 65
Fertilizer Materials..... 69
Heavy Chemicals..... 39
Oils, Fats and Waxes..... 51
Paint, Varnish and Lacquer Materials 47
Petroleum Products..... 67

Washington Talks It Over

Caffeine Ceiling Waits..... 5
Centralizing Chemicals Controls.... 5
GMPR Rx Problem..... 5
Why Not Grow Rubber..... 5
More Time to Patent..... 5
More Tax for Consumer..... 5
Telling What's Doing..... 5
Would Mask Skim Milk..... 45
Double-Talk on Overtime..... 45
Blocking Overstocking..... 45
WPB Cracks Down..... 45
Exports Get WPB Interest..... 45

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Hyatt Medal to Honor Achievement in Plastics

The John Wesley Hyatt award medal, given to the individual who makes the most significant achievement in the plastics industry, has just

been completed by Paul Manship, noted artist and sculptor of the Hercules Powder Company, Wilmington, Del., donor of the award, has been announced. The medal, to be cast in gold, will be awarded annually with $1,000 in cash.

The obverse of the medal bears a profile relief of John Wesley Hyatt, founder of plastics with his application of nitrocellulose to this use. The reverse bears a Grecian urn symbolizing the intellectual achievement of the award winner, wheels symbolizing the mechanical ability necessary to form the plastic in its ultimate shape, a chemical retort symbolizing the chemical origin of plastics, and dividers and triangle symbolizing plastics design.

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Tricresyl, Triphenyl Phosphates Allocated

OPD Washington Bureau
July 3, 1942

Production and use of phosphate plasticizers was placed under complete allocation control today by the War Production Board in order to direct available supplies into the manufacture of war essential flameproof cable, antifouling paint, airplane dopes, wire insulation, photographic film and other plastics.

After August 1, no phosphate plasticizers, defined as tricresyl phosphate and triphenyl phosphate in any form, may be used, delivered, or accepted without specific authorization by WPB. This is applicable to all users: even direct military orders will require WPB authorization. The only exception is in the case of deliveries or use of 100 pounds or less in one month on the part of one person, but even these small deliveries may not be made if, in the aggregate, they total more than 2 percent of the total amount such person is authorized to deliver in that one month.

All persons, except the military, seeking authorization for use or delivery of phosphate plasticizers must file form PD-558 with WPB on or before the 15th of the month preceding the month in which delivery is sought. Producers must file form PD-557 on or before the 24th of each month, beginning with July.

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General Dyestuff Taken Over by A.P.C.

OPD Washington Bureau
July 3, 1942

The alien property custodian has taken over control of the General Dyestuff Corporation, Byk, Inc., and Siemens, Inc., all of New York; and the Ajax Transportation Company, Nashville, Tenn.

The General Dyestuff Corporation has been selling agency for the General Aniline & Film Corporation, control of which was vested in the alien property custodian several weeks ago.

Byk, Inc., is a subsidiary of a large German pharmaceutical company and manufactures chemicals and drugs in the United States under patents and trademarks of the parent company.

The Ajax Transportation Company was owned by Fritz von Opel; it operates gasoline tankcars. Siemens, Inc., holds German patents in the electrical and radio field.

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Civilian Supply Plans Inventory Study

A wholesale and retail inventory policy committee has been created within the Division of Civilian Supply of WPB to study the need for inventory control throughout the country, Deputy Director Weiner announced.

Latin American Oils Resources Are Studied

OPD Washington Bureau
July 3, 1942

Jack B. Davis, chief of the protective coating section of the Chemical Branch in the War Production Board's materials division, has been assigned to the Board of Economic Warfare to make a survey of the fats and oils situation, particularly in the field of nut oils.

It was stated at the WPB office that Mr. Davis's assignment is for a temporary period and that it is expected that he will return to head the protective coatings section again when his work with BEW is concluded.

The vacancy as chief of the section is being filled by appointment of E. H. Bucy, who has been in charge of the paint, varnish and lacquer unit. Wells Martin, heretofore industrial specialist in the section, is being named asst. chief, succeeding M. Rea Paul, who remains with the section as a special consultant.

Mr. Davis's particular work with BEW is to survey the vegetable oils situation in Latin America, and he has already left for Brazil to under-

—*Continued on page* 60

Trigg Dinner Marks His 50th Anniversary

Philadelphia, June 30, 1942.

Professional and personal tribute was paid to Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association, at a dinner in the Union League Club here tonight to mark his completion of fifty years in the industry. His career as a manufacturer, his achievements as an or-

Ernest T. Trigg

ganizer and executive and his personal qualities were the background of glowing comment and affectionate reminiscing during the ceremony which Mr. Trigg later declared was the outstanding experience of the half-century of his business life.

The testimonial was arranged by the Philadelphia Paint, Varnish and Lacquer Association, of which Mr. Trigg is honorary life president and chairman, and brought together more than 350 leaders in the paint and other industries and personal friends in the government and in civic life. George A. Martin, chairman of the board of the Sherwin-Williams Company, and Frank L. Sulzberger, president of the Enterprise Paint Manufacturing Company of Chicago, were the principal speakers.

Letters from associates and friends throughout the country, handsomely bound in book form, were presented to Mr. Trigg by Howard W. Hock, of the Philadelphia club, while William H. Jarden, jr., chairman of the committee on appreciation, made the presentation of a grandfather clock. The gift of an oil painting from the headquarters staff in Washington was presented by Reuel S. Elton, secretary of the association. E. V. Peters, of the St. Joseph Lead Company, New York, expressed the appreciation of

—*Continued on page* 59

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

The administration is rapidly approaching the point when it is going to have to make a firm decision—and stick to it—on control of farm prices and wages if the program of combating inflation by price regulation is to be in any degree successful. The overall price ceiling already has been so punctured that it is beginning to look like a sieve, and more exceptions from the order are in the offing. Consideration is now being given, if it has not already been decided, to lifting the ban on interference of State fair trade laws with the general price order.

Officials unhesitatingly admit that the overall freeze is showing dangerous signs of debilitation and that they are concerned about the future because of the wage and farm price situation. Labor has given only lip service to the program of stabilizing wages, while the War Labor Board thus far has showed little inclination to back up Mr. Roosevelt's assertion that labor as well as business will have to get along on less profits. In the meantime farm prices are still going up.

Although they would deny it, OPA officials are almost as much to blame as is Congress for the present situation. Had Mr. Henderson taken a viewpoint opposite from what he did when the price bill was under consideration, Congress might very well have written in a wage-control provision in the law that would have made possible elimination of the present threat of higher wages on the price structure. This being done, Mr. Henderson also could have expected to get the kind of a farm-price control provision he wanted, instead of the one he had to accept.

Caffeine Ceiling Waits

The intended price ceiling order on caffeine is still gathering dust on the shelves of OPA and the length of time it stays there will depend on when some of the pressure is lifted from officials seeking to meet other problems under GMPR.

The order was already to shoot when GMPR came along. It ceiled prices at their March levels which in some measure met the situation in caffeine, although not exactly as some in OPA would like it. What they would really like is to get at the speculator, and this GMPR fails to do beyond putting a ceiling on his price along with everyone else.

It is quite possible that some time latter the caffeine order will be revived in a modified form. There is talk of drafting it to say that the March price level is to remain unchanged, but that certain people selling at high March prices will have to lower their prices—in other words roll-backs in certain individual cases.

Centralizing Chemical Controls

Reagent chemicals are now back where they started from—in the chemicals branch of the materials division of WPB, where they belong. For months supervision over these vital materials has been in the hands of the Safety and Equipment Branch; why, no one was ever able to explain satisfactorily.

Transfer of the reagents back to the chemicals branch is the result of work of some of the chemical industry's spokesmen who have been complaining that the splitting up of the various chemicals among different branches has led to too much confusion for the industry. They may go after pharmaceutical chemicals next. Supervision over these chemicals now rests with the Health Supplies Branch, and there is talk of having them transferred to the chemicals branch.

GMPR Rx Problem

How to post prescription prices in the corner drug store is something that OPA hasn't been able to answer satisfactorily yet. But it is a problem that is receiving close attention and some kind of a break in the situation can be expected soon.

The difficulty is that OPA approached the matter of posting prices of prescriptions on a commodity basis, when it should have been realized from the beginning that a prescription is not a commodity but is the result of a service performed professionally.

It would not be difficult at all to post the prices, as required by GMPR, if all prescriptions were alike or nearly alike, but they are not, of course. It is said that OPA is beginning to see it in this light and is in a compromising mood.

Why Not Grow Rubber

Watch the fur fly if and when the senate gets around to considering the Gillette bill for making rubber from alcohol produced from farm and forest products. A real feud is developing over this question between Don Nelson and the agricultural committee because of its criticism of Nelson's dollar-a-year men running the synthetic rubber program.

The committee has laid the blame for the present state of affairs in synthetic rubber production at the feet of these men, charging them with acting in a selfish interest in turning for ingredients for synthetic rubber to petroleum, which was ready, rather than to agriculture, which was not. In effect this is a slap at Nelson, and it has got under his skin. He has demanded that his men be given a chance to present their side of the case before Congress passes on the bill.

More Time to Patent

Congress is being asked by the State, War, and Navy departments to pass legislation extending for twelve months the time within which patent applications may be filed with the Patent Office for approval, because the disruption of communications by the war has made it almost impossible to get the applications in on time.

The bill (H. R. 7299) follows the pattern of the Nolan act of the last war and extends to persons making an invention while serving in the armed forces abroad the same priority rights and privileges in interference and other proceedings in connection with such inventions as if the invention had been made in the United States.

More Tax for Consumer

The 5 percent tax proposed to be imposed on freight by the house ways and means committee will not necessarily fall on the shoulders of shippers if present plans of the committee materialize. Experts aiding the committee in drafting the new tax bill said that they intend to follow the language of the 1918 statute which permitted the tax to be passed on to the buyer or consumer.

This will be of considerable relief to shippers of bulk commodities especially, who have seen their transportation costs mount sharply because of the necessity of switching from water to rail transportation and the reluctance of Congress to approve a program of subsidies that would eliminate some of the profit squeeze.

Telling What's Doing

President Roosevelt's release of the May production figures on planes, tanks, and other weapons of war denotes a swing away from the policy of secrecy in war industry output, and it now can be expected that the veil of censorship will be lifted more and more as production rises.

The figures are being released, of course, purely for propaganda purposes. It is the same policy that was followed during the first world war of holding back and when output began reaching astronomical figures of releasing the figures to bolster morale in occupied territory and to scare the enemy population.

Planes were coming off the production line during May about one

—*Continued on page* 45

Protective Coatings Unit Has 33 WPB Men

OPD Washington Bureau
July 1, 1942

Latest information available from the materials division of the War Production Board shows the personnel of the protective coating section of the chemicals branch to number thirty-three members and to be composed of three units having jurisdiction over specific fields in the protective coating industry.

The section, which is located in the Railroad Retirement building, is staffed with fifteen industrial specialists, twelve analysts, two consultants, and one business specialist, in addition to the unit chiefs.

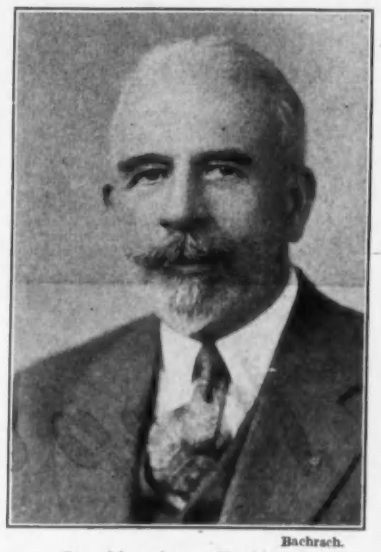
Because of the assignment of J. B. Davis to the Board of Economic Warfare for special work on nut oils, a vacancy now exists in the post of chief of the protective coatings section, but his work is being handled in large part by M. Rea Paul, assistant chief of the section.

Other section members are Joseph A. Hager, consultant; William A. Ny-

—*Continued on page* 46

S.C.I. Medal Awarded to Howe

Dr. Harrison E. Howe, of Washington, D. C., editor of *Industrial and Engineering Chemistry*, publication of the American Chemical Society, has



Bachrach.

Dr. Harrison E. Howe

been awarded the 1942 Chemical Industry Medal of the Society of Chemical Industry.

Given annually since 1920 to "a person making a valuable application of

—*Continued on page* 57

Carbon Tetrachloride Drums Take Deposit

OPD Washington Bureau
July 2, 1942

Shippers of carbon tetrachloride may charge a reasonable deposit on the steel drums in transporting their product, Price Administrator Leon Henderson ruled today. The steel used in making these drums is not plentiful, the Price Administrator said, and it is believed that a deposit will encourage the return of empty drums and thus conserve steel. Up to the present no additional charges for containers have been permitted when the maximum price for carbon tetrachloride was charged, as this price (established by Revised Price Schedule No. 79—Carbon Tetrachloride) included the cost of the drums.

Dr. E.C. Williams Elected To U.S.I. Directorate

Dr. E. C. Williams has been elected a member of the board of directors of U. S. Industrial Chemical Company. Dr. Williams is a director of General Mills, Inc., and vice-president in charge of its research. He is nationally known for his work in petroleum research with the Shell Oil Company, especially in production of toluol and glycerin from petroleum.

Keep 'em Rolling!

Fifty pounds of steel! Shall we use it for a shell . . . or a drum?

Shells *must* come first. Drums *must* be made to last longer.

Handle them carefully . . . empty them promptly . . . return them immediately. *Let's keep the drums rolling.*

TO HANDLE DRUMS FOR VICTORY . . .

- **Roll drums off trucks or loading platforms—DON'T DROP THEM!**
- **Don't rinse empty drums—just replace bungs and tighten securely.**
- **Don't contaminate drums by filling with other materials.**
- **Return drums as soon as empty.**
- **FOR VICTORY, make every drum go on as MANY round trips as possible—as OFTEN as possible.**

COMMERCIAL SOLVENTS
Corporation
17 EAST 42nd STREET, NEW YORK, N. Y.

Copies of this poster in color and without our signature will be furnished gladly for use in your plant.

Export Allocations Set for Third Quarter

OPD Washington Bureau
July 1, 1942

The third quarter allocation of the chemicals, drugs and related products, and other materials which may be shipped from the United States to other American republics was announced today by the State Department. The department, however, refrained from making public either the over-all total allocated or the amounts set aside for particular countries, in keeping with the policy established in this respect at the start of the allocation program. The announced list comprises the following materials:—

Acetic acid; acetone; aconite; ammonium sulphate; anhydrous ammonia; aniline; ascorbic acid; bauxite; belladonna leaves; belladonna root; beryl and beryllium; cadmium; camphor; carbon tetrachloride; castor oil; chlorine; citric acid; cobalt; copper; cotton linters; dibutyl phthalate; digitalis; dynamite; ergot; fluorspar; formaldehyde; glycerin; graphite, natural amorphous; insulin; ipecac; lead; ferromanganese; mercury; methanol; ferromolybdenum; naphthalene; neatsfoot oil; phenol; phosphorous; phthalic anhydride; platinum and allied metals; potassium permanganate; procaine; red squill; strontium chemicals; sulfaguanidine; sulfanilamide; sulphuric acid; superphosphate; thiamin hydrochloride; toluol; ferrotungsten; uranium salts and compounds; ferrovanadium; zinc.

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Export Managers Name Helen Devlin Secretary

Miss Helen J. Devlin has been appointed secretary of the Export Managers Club to fill the vacancy caused by the resignation of Oren O. Gallup, who has been secretary for eighteen years. Mr. Gallup has accepted a government position in Washington. Miss Devlin has been associated with the club since its inception in 1922.

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National Salvage Drive to Start July 13

OPD Washington Bureau
July 3, 1942

A new and greatly intensified nationwide salvage program was announced today by Donald M. Nelson, chairman of the War Production Board, and Lessing J. Rosenwald, chief of the Bureau of Industrial Conservation. The overall campaign will start formally on July 13, immediately after the completion of the current scrap rubber campaign which has been extended to July 10.

While the Bureau of Industrial Conservation considers the new campaign as an integrated whole, it has the following clearly defined parts:—

1. An intensified campaign to collect metals, especially iron and steel, and rubber and other waste materials which will flow through regular channels of trade.
2. A waste fats campaign, in which housewives will be urged to sell their waste kitchen fats, such bacon drippings, to meat dealers who will send them back through the normal channels of trade.

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Alexander Calls Scrappers

Jerome Alexander is a consulting chemist in this city and globally known as such; but it takes very little to make him burst forth in verse. So, having been appointed on the National Technicians Salvage Advisory Committee, it is as expected that he has emitted the following:—

Home-Front Scrappers

Rubber for rubber—
Get in the scrap!
Stretch yourself—smite
Soulless hun, jaundiced jap.

Show your mettle—save metal!
Brass, copper, lead, steel,
For the guns, tanks, planes, bombs
Foes of freedom must feel.

Save spent batteries and bulbs,
Tubes and cans made with tin,
Rags to run Hitler ragged
All help our boys win!

Dr. Alexander says and OPD assents, that other publications may copy his war cry. He also urges that anyone in any industry who sees any material going to waste should notify him at 50 East Forty-first street.

Export Price Ceiling Regulation Revised

OPD Washington Bureau
July 2, 1942

Merchant exporters were authorized today by Price Administrator Leon Henderson to use their domestic sales price as their export price ceiling. Previously the merchant exporter had been compelled to use as a ceiling price either his cost of acquisition or the domestic maximum price applicable to a current purchase of the commodity from the same suppliers. To either of these base figures, the original regulation had allowed the addition of the lower average premium charged in the export trade on a similar transaction during July 1-December 31, 1940, or March 1-April 15, 1942.

However, it is emphasized that if the exporter's maximum domestic sale price is used, he may not add an export premium. Export expenses, etc., may be added to the ceiling price, whether computed under the original or recently added alternatives.

Alaska Gets Special Price Ceiling Formula

OPD Washington Bureau
July 3, 1942

Because of the relative isolation of Alaska and because of problems created by transportation difficulties, Price Administrator Leon Henderson today announced a special formula setting maximum prices for all sales and deliveries to a buyer in Alaska of any commodity not actually produced or manufactured in Alaska.

The formula, contained in amendment No. 1 to supplementary regulation No. 13 of the General Maximum Price Regulation, provides that the maximum price of a retailer, wholesaler, distributor or other seller of a commodity not actually manufactured or produced in Alaska shall be based on the direct cost to the seller, plus the amount of dollars-and-cents mark-up over the direct cost, which the seller included in his highest selling price for the same or similar commodity sold during the period from November 7 to December 6, 1941, or, if no sale was made during this period, the amount of such mark-up in the last 30 days prior to November 7, 1941, in which a sale was made.

Companies in Alaska, Panama Canal Zone, or other territories or possessions of the United States which would be required to apply for priority assistance under the Production

—*Continued on page* 71

Import Order M-63 Amended To Control Shipping Space

OPD Washington Bureau, July 3, 1942

A change in the point of control of imports entering the United States under bond was ordered today by J. S. Knowlson, Director of Industry Operations, in a revision of general imports order M-63, which goes into effect today. Under the existing order, such imports are controlled as they are released from bond. While this permits control of the use of the materials imported, it does not control the use of shipping space, which is one of the chief purposes of the order.

Under today's amendment, and interpretation No. 1, also issued, persons seeking to import materials on lists I, II and III of the order, with certain exceptions, must file form PD-222-C with the War Production Board asking authorization for the importation whether in bond or otherwise. This ruling includes importation for transshipment to foreign countries. No authorization under M-63 is necessary for withdrawal of these materials from bond. Authorization on form PD-222-A must be obtained for use of articles on list I.

Other changes are made in the order itself and in the articles enumerated by lists I, II and III. Material in transit is defined in the order as that actually afloat or for which an on board ocean bill of lading has been issued. Exempted from the restrictions on imports are materials owned by Federal agencies or purchased from Federal agencies.

Form PD-222-B must be filed with the Collector of Customs upon any entry of materials whether in bond or otherwise. A revision of this form is being worked out, but the existing form may be used until the new one is available. Supplemental order M-63-b, also issued today, exempts the finer grades of wool and sheepskin shearlings from the provisions of M-63. The exemption is scheduled to expire on August 16. The action was taken, it was explained, because shipping of wool from Australia, Africa and other sources is not a problem at present, as space is available from these countries.

Several changes are made in the lists, principally moving specific items from lists II and II to list I. Added to list III are grapefruit, limes, honey, mandioca flour, mangrove bark, wattle bark and tankage.

Removed from the order are glass, sponges, natural gums and resins, bismuth, bromine compounds, charcoal, caffein, cocoa leaves, fish livers, dried bananas, corn meal, rice meal, red and crimson clover seed, leche caspi, osier, cotton seed, wax candles, cod liver oil, and shark oil.

Byrnes 50 Years In Shellac Industry

Today, in an office on Maiden lane, this city, a man who for fifty years has gone up, down, and across this country selling shellac is receiving congratulations of his fellow officers in the Mac Lac Company, shellac merchant and bleacher. Joining with company officials in felicitating Vice-President Byrnes on his fifty years of service

James W. Byrnes

to the shellac industry and wishing him good fortune and good working for fifty years more are his office associates and employees of the plant.

James W. Byrnes is a name known in whatever part of the globe shellac is bought or sold. From the godowns of Calcutta to European shellac centers, and across the length and breadth of his own United States, "Jimmie" Byrnes is known and appreciated for his astuteness in shellac matters, and

—*Continued on page* 59

Tungsten End-Use Control Tightened

OPD Washington Bureau
July 3, 1942

Tungsten has been placed under further allocation and end-use control by an amendment to General Preference Order M-29. The principal effect of today's amendment is to place under complete allocation and end-use control all tungsten ores and concentrates. These were not covered by the original order.

The amount of contained tungsten which may be delivered to any one person in any one month without restriction is reduced from the 100 pounds allowed in the original order to a new maximum of 25 pounds. Order M-29-a covered this point previously, and it is hereby revoked. Definition of "tungsten" is broadened to include any substance whatever containing recognizable tungsten, in

—*Continued on page* 34

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Tin Ore Takings From Boliva Increased

OPD Washington Bureau
July 1, 1942

Signing of an agreement between the Metals Reserve Company and Bolivian tin producers increasing the quantity of tin ores and concentrates which may be delivered to the company during the next twelve months was announced today by Secretary of Commerce Jesse Jones.

It was also announced that the price being paid by the Metals Reserve Company for the tin content of the material was being increased from its present level of around 50 cents a pound to 60 cents a pound, f.o.b. Chilean and Peruvian ports.

WPB Appoints Four to Clear Problems for 12 Field Directors

OPD Washington Bureau, July 3, 1942

Four executives have been appointed to the staff of L. Edward Scriven, deputy director of the Division of Industry Operations, to act as representatives in Washington of twelve War Production Board regional directors throughout the country. They are:—Frank R. McGregor, Ralph I. Straus, John W. Hubbell and J. Harold Kolseth.

Under the plan to decentralize WPB operations, twelve regions have been set up to supervise all WPB field operations. Each of these regions is staffed with experts and technicians in the fields of WPB activities. To date, directors have been appointed in the Boston, Philadelphia, New York, Atlanta, Chicago, Cleveland, Kansas City, Detroit, Denver, Dallas and San Francisco regions. A regional director is soon to be appointed for Minneapolis. Deputy directors will be named in Seattle and Los Angeles.

Regional offices were established to expedite war production on a local or regional level, to allow business men and industrialists to conduct their government war business in cities near their homes and business. Outside of program planning and broad policy determination, nearly all activities of WPB are now being transferred from Washington to the regional offices.

The four representatives appointed to Mr. Scriven's staff will represent the regional directors in their dealings with the WPB staff in Washington. They will inform the regional directors so that the field will have a clear understanding of the Division, Bureau and Branch policies and programs in Washington. Appointment of these men is expected to help clear promptly any problems arising in the field.

Mr. Scriven has announced the following temporary assignments:—Mr. McGregor, of New York, serves as representative of regions 2 (New York), and 7 (Kansas City). He has been with the War Production Board

—*Continued on page* 60

MM&R "So Sorry" to Disturb Mosquito Emancipator!

As if our enemies aren't plentiful enough, Mr. Tojo slows down importations of Oil Citronella to a trickle and all but emancipates another enemy horde, the vicious CULEX (*common American mosquito*) just by way of giving us *an extra "buzzy" time* on the home front swatting down this particularly persistent aerial antagonist.

To nip the Nippon's newest nuisance in the nick of time, M M & R comes to the rescue of Oil Citronella users with OIL CITRONELLA REPLACEMENT #21 M M & R, *a thoroughly tested, highly efficient product* that approximates the odor characteristics of Citronella to a remarkable degree and yet *costs less than one third of the natural product.*

Many former users of genuine Citronella have cited OIL CITRONELLA REPLACEMENT #21 M M & R for distinguished service.

If you have been using Ceylon or Java Citronellas or an equally hard to obtain camphoraceous oil, *write today* for a testing sample and our *attractive* price schedule on OIL CITRONELLA REPLACEMENT #21 M M & R.

M M & R *"so happy"* to serve American Industry and people . . . *"so sorry"* to disturb Mr. Tojo and friends.

OTHER GOOD NEWS ON THE REPLACEMENT FRONT

These are a few of the many other M M & R replacements for currently high priced and hard to get oils.

ANNOL M M & R—Replaces Oil Anise in technical products of many kinds.

CAM-O-SASS M M & R—100% U.S.A. made replacement for expensive camphoraceous oils.

KAMM-O M M & R—Efficiently used in technical products in place of Oil Camphor Sassafrassy.

OIL LEMONGRASS REPLACEMENT #619 M M & R—Replaces Oil Lemongrass Native. Ideal where low priced perfume oil is needed.

IMITATION LAVENDER OIL #30 M M & R—Exceptional! Replaces Oil Lavender Flowers U.S.P. in technical products.

OR-O-TYME M M & R—Finding tremendous acceptance by users of Oil White and Red Thyme (all varieties as well as technical), Oil Origanum and Methyl Salicylate. Excellent perfume characteristics.

MAGNUS, MABEE & REYNARD, INC.

SINCE 1895 . . . ONE OF THE WORLD'S GREATEST SUPPLIERS OF ESSENTIAL OILS

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OFFICES IN PRINCIPAL CITIES • CANADA: RICHARDSON AGENCIES, LTD., TORONTO

Current Market Quotations

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July 3, 1942

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of the several reports is indicated on page 4.

A

Acacia (see Gum, arabic).
Acetaldehyde, 99%, dms., 55 and 110 gals., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —
Acetaldol (see Aldol).
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
500-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots. lb. .36 - —
smaller lots.....lb. .37 - —
dms., 25-lb. lots.....lb. .42 - —
kgs., 2,000-lb. lots.....lb. .37 - —
smaller lots.....lb. .38 - —
powd., bbls., 2,000-lb. lots..lb. .34 - —
smaller lots.....lb. .35 - —
dms., 25-lb. lots.....lb. .40 - —
kgs., 2,000-lb. lots.....lb. .35 - —
Acetoacetanilide, dms.....lb. .49 - .67
Acetone, CP,[1] dms., c.l., dlvd..lb. .08½- *.168
l.c.l., dlvd.....lb. .09 - *.173
tanks, dlvd.....lb. .07 - *.158
Methyl (see M).

* OPA ceiling for Eastern territory (the States of New Mexico, Colorado, Wyoming, Montana and all States east thereof); ceilings ½c. per lb. higher for Western territory (all other States of the United States).

Acetonitrile, dms., works.....lb. 1.00 - 2.00
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
dms., 50 lbs.....lb. 1.08 - —
25 lbs.....lb. 1.10 - —
Acetophenone, cns., dms.....lb. 1.55 - 1.60
Acetyl chloride, cbys., works..lb. .60 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N.D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —
Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
cbys., cs.....100 lbs. 3.88 - 4.13
56%, bbls.....100 lbs. 5.58 - 5.83
cbys., cs.....100 lbs. 6.08 - 6.58
70%, bbls.....100 lbs. 6.68 - 6.93
cbys., cs.....100 lbs. 7.18 - 7.43
80%, bbls.....100 lbs. 7.47 - 7.72
cbys., cs.....100 lbs. 7.97 - 8.12
glacial, nat., CP, cbys.100 lbs.14.20 - 14.45
99.5%, bbls.....100 lbs. 9.15 - 9.40
cbys.....100 lbs. 9.65 - 9.90
tanks, works.....100 lbs. 6.93 - —
USP, cbys.....100 lbs.11.70 - —
synth., CP, dms., works.....100 lbs.14.20 -14.45
99.5%, bbls., c.l., works..100 lbs. 9.15 - 9.40
tanks, works.....100 lbs. 6.25 - 6.93
USP XI, al. dms., works.100 lbs.10.95 -11.20
pure, 30%, bbls.....100 lbs. 4.44 - 4.69
cbys., cs.....100 lbs. 4.94 - 5.19
36%, bbls.....100 lbs. 4.86 - 5.11
cbys., cs.....100 lbs. 5.36 - 5.61
60%, bbls.....100 lbs. 7.60 - 7.85
cbys., cs.....100 lbs. 8.10 - 8.35
80%, bbls.....100 lbs. 9.26 - 9.51
cbys., cs.....100 lbs. 9.76 -10.01

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply delivered within the Metropolitan zones unless otherwise indicated in the above prices.

Acetic, anhydride,[2] dms., c.l., frt. alld..lb. .11½- —
l.c.l., dms., frt. alld.....lb. .13 - —
Acetylsalicylic,[1] producers, primary jobbers, special, USP, 200-lb. bbls., f.o.b. shipment point*..lb. .45 - —
100-lb. kgs., same basis. lb. .45 - —
25-lb. dms., same basis. lb. .46 - —
5-lb. ctns., same basis. lb. .59 - —
†1-lb. ctns., same basis. lb. .61 - —
Standard. USP, fine cryst., gran. (20-40 mesh), powd. (80 mesh), 200-lb. bbls., same basis..lb. .40 - —
100-lb. kgs., same basis. lb. .40 - —
25-lb. dms., same basis. lb. .41 - —
5-lb. ctns., same basis. lb. .54 - —
1-lb. ctns.,† same basis. lb. .56 - —

* Freight equald., shipm't identical quantity, over standard routes, from N. Y. City, Phila., Midland, Mich.; Chicago, and St. Louis.

† 3c. per lb. may be added for acid packaged in canisters, and 8c. per lb. when packaged in 1-lb. bots.

Adipic, fib., dms., works.....lb. .31 - —
Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic,[1] bots., dms.....oz. 1.50 - 1.70
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
Acid, benzoic, USP, bbls., 4,000 lbs. or more..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric,[2] tech., 99.5% gran., bulk, bgs., c.l., frt. alld..ton.99.00 - —
ton lots, ex whse....ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld....ton.109.00 - —
ton lots, ex whse...ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton.95.50 - —
powd., bgs., c.l., frt. alld.. ton.104.00 - —
ton lots, ex whse....ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld...ton.114.00 - —
ton lots, ex whse...ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 6.95 - 7.00
Capric, dms.....lb. .21½ Nom.
Caprylic, dms.....lb. .27 - .27½
Castor oil,[5] split, dms.....lb. .20¾- .21¼
Chlorosulphonic, dms., c.l., wks. lb. .03 - —
5-drum lots, works.....lb. .03½- —
single drums.....lb. .04½- —
tanks, works.....lb. .02½- —
Chromic,[2,5] 99%, dms., c.l., dlvd. N.Y..lb. .16¼- —
l.c.l., 5 tons, dlvd. N. Y.. lb. .16¾- —
smaller quantities, dlvd. N.Y..lb. .17¼- .18¼
Cinnamic, refd., bots.....lb. 3.50 Nom.
Citric,[1] cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20¼- —
200-10,000 lbs.....lb. .21 - —
100 lbs., dms., or kgs..lb. .21½- —
50 lbs., dms., or ctns..lb. .23 - —
25 lbs., dms., or ctns..lb. .24 - —
5 lbs., in 5-lb. cont....lb. .29 - —
anhyd., gran., dms., c.l.lb. .22½- —
10,000 lbs., one shipment. lb. .23 - —
smaller lots.....lb. .23½- .26½

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .65 - —
Coconut oil,[2] dist., dms.....lb. .18½ Nom.
Cottonseed oil,[2] dist., dms...lb. .14½- .15
tanks .....lb. .14 - —
Cresylic (coaltar),[6] high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis.gal. .83 - —
tanks .....gal. .75 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis..gal. .83 - —
tanks .....gal. .75 - —
low - boil (50%, 204°-206°), dms., c.l., works, frt. equald. gal. .81 - —
l.c.l., same basis..gal. .83 - —
tanks .....gal. .75 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis..gal. .83 - —
tanks .....gal. .75 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 5 cbys. and over..lb. .11 - —
1-24 cbys.....lb. .11¼- —
Fumaric, tech., special, bbls., ton lots..lb. .27 - —
smaller lots, bbls., dms..lb. .28 - .31
Gallic, NF VI, bbls., 200 lbs., 5 or more..lb. 1.27 - —
less than 5.....lb. 1.30 - —
fib. dms., 25 lbs.....lb. 1.34 - —
technical, bbls.....lb. 1.10 - 1.12
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demij.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Acid, hydrobromic, dilute, 10%, cbys..lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber dms.....lb. .08 - .08½
48%, lead cbys.....lb. .12 - —
rubber dms.....lb. .11 - —
52%, lead cbys.....lb. .13 - —
rubber dms.....lb. .12 - —
60%, lead cbys.....lb. .14 - —
rubber dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09½
Hypophosphorus, USP, 30%, dms. lb. .75 - .80
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
5 to 19.....lb. .13 - —
1 to 4.....lb. .13½- —
80%, bbls., cbys., 5 or more. lb. .24¼- —
1 to 4.....lb. .24¾- —
plastic grade, bbls., cbys., 20 or more..lb. .14¼- —
5 to 10 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15¼- —
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works..... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XI, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Lauric, dist., tech., dms.....lb. .20 Nom.
Laurent's, bbls.....lb. .45 - —
Linseed oil,[2] light, dms.....lb. .21 - .21½
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kgs.....lb. .47 - —
Mandelic, dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.15
Mixed, tanks, nitric unit.....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .17 - —
purified, bbls.....lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E., works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
l.c.l., 25 and over, works. 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
l.c.l., 25 and over, works. 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
CP, dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .19 - —
Myristic, dist., dms.....lb. .19 - .19½
Naphthenic,[6] 220-230 acidity, dms., c.l., works..lb. .13 - —
l.c.l. works.....lb. .13 - —
tanks, works.....lb. .10 - —
235-245 acidity, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .15 - —
tanks, c.l., works.....lb. .12 - —
Nicotinic, 100-lb. fib. dms....lb. 6.65 - —
50-lb. fih. dms.....lb. 6.75 - —
25-lb. fib. dms.....lb. 6.80 - —
5-lb. tins.....lb. 6.96 - —
1-lb. bots.....lb. 7.00 - —
Nicotinic, amide, 25-lb. lots..lb.17.00 - —
5-lb. lots.....lb.17.10 - —
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western, works...100 lbs. 5.75 - —
Acid, nitric, 38°, cbys., l.c.l., 25 and over, E. works.... 100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works 100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
CP, USP, dealers, cbys.....lb. .11½- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleic (see Oil, red).
Oleum (see Sulphuric fuming).
Oxalic,[1] dom., bbls., c.l., works, lb. .11½- —
900 lbs. or over.....lb. .11½- —
smaller quantities...lb. .12½- —
Palm oil,[2] white, dist., dms..lb. .13 - .13½
tanks .....lb. .12½- —
Paraminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Phenylacetic, bots.....lb. 1.85 - 1.90
Phosphoric, pure food grade, 50%, c.l., bbls., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., works, frt. equald.. 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, wks., frt. alld..100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25 - 7.25
tankwagon, dlvd., N. Y., Phila., Met. area..100 lbs. 4.00 - —
75%, c.l., bbls., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald.. 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, wks., frt. alld..100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagons, dlvd., N. Y., Phila., Met. area..100 lbs. 4.75 - —
USP, 85%, s. g., 1,710 cbys., 180 lbs..lb. .12 - —
50%, s. g., 1,347 cbys., 70 lbs..lb. .10½- —
dms., 25 lbs.....lb. .13 - —
10%, dilut., cbys., djns...lb. .07 - .07¼
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic, synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.45 - —
cns.....lb. 1.63 - —
USP, cryst., cns.....lb. 2.10 - —
resub., cns.....lb. 2.60 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., works.....lb. .32 - .37
Salicylic,[1] tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .46
Sebacic, tech., bbls., works..lb. .82 - —
Soybean oil,[2] dist., dms.....lb. .19½- .20
Stearic,[6] double pressed, bgs., dlvd..lb. .1580- .1680
single pressed, bgs., dlvd..lb. .1525- .1625
triple pressed, bgs., dlvd..lb. .1385- .1985
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works..lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works, ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .73
USP, fluffy, bbls., 1,000-lb. lots..lb. 1.33 - —
100-lb. lots.....lb. 1.35 - —
25-lb. lots.....lb. 1.38 - —
powd., bbls., 1,000 lbs....lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric, USP., dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt..lb. .70½- —
smaller quantities.....lb. .71 - —
kgs. .....lb. .71½- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[2] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. pkgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.40 - 1.45
Root, bls.....lb. 2.50 - 2.55
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.09 - —

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Price Ceiling • [2]—Price Suggestion or Agreement
[3]—Full Priority Control • [4]—Industry Control
[5]—General Limitation Order • [6]—Allocation

Acrylonitrile,* dms., c.l.	lb.	.34½- —
5,000 lbs. or more	lb.	.35 - —
1 ton to 4,999 lbs.	lb.	.35½- —
1 dm. to 1 ton	lb.	.54 - —
tank cars	lb.	.34 - —
Adeps lanae, anhyd., dms.	lb.	.36 - .37
hyd., dms.	lb.	.35 - .36
Agar,* Kobe, No. 1, strip	lb.	4.75 Nom.
Agaric, white, bls.	lb.	No stocks
Albumen, blood, dom., dms., f.o.b. Chicago	lb.	.65 - —
soluble, dried, c.l., same basis	lb.	.13½- —
bg. lots, same basis	lb.	.15 - —
imported, bgs.	lb.	No prices
Egg, ed., dom., cryst., bbls.	lb.	1.73 - 1.78
powd., dms., bbls.	lb.	1.78 - 1.83
Tech., cryst., bbls.	lb.	1.50 - 1.55
import., cs.	lb.	1.73 - 1.78
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld. E. of Miss. R.	lb.	.141 - —
l.c.l., frt. alld.	lb.	.151 - —
tanks, frt. alld.	lb.	.131 - —
normal, dms., l.c.l., works.	lb.	.27 - —
Tertiary, refd., dms., l.c.l., frt. alld. E. of Miss. R.	lb.	.09 - —
Benzyl, cns.	lb.	.65 - .75
drums	lb.	.63 - —
Butyl, normal,*,† dms., c.l., frt. alld.	lb.	.13½- .168
l.c.l., frt. alld.	lb.	.14 - .173
tanks, frt. alld.	lb.	.12½- .158

* The term 'Eastern' territory means the States of New Mexico, Colorado, Wyoming, Montana and all States east thereof, and the term 'Western' territory shall mean all other States of the United States.

secondary, dms., c.l., frt. paid E. of Miss. R.	lb.	.09½- —
l.c.l., same terms	lb.	.10 - —
tanks, same terms	lb.	.08½- —
tertiary, denaturing, c.l., dms.,	lb.	.12½- —
l.c.l., dms.	lb.	.13 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs.	lb.	1.50 - —
500 lbs.	lb.	1.70 - —
100 lbs.	lb.	1.80 - —
25 lbs.	lb.	1.90 - —
5 lbs.	lb.	2.00 - —
Cinnamic, bots.	lb.	3.00 - 3.60
Denatured,‡,§,¶ CD14, dms., c.l., dlvd., E.	gal.	.65 - —
l.c.l., dlvd., dms.	gal.	.70 - —
tanks, E., dlvd.	lb.	.58 - —

Prices for territories other than E. of Rockies are 5c. per gal. less than Eastern works quotations. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works	gal.	.64 - —
19 bbls., E. works	gal.	.66 - —
1 to 18 bbls., E. Works.	gal.	.69 - —
dms., c.l., E. works	gal.	.60 - —
19 dms., E. works	gal.	.62 - —
1 to 18 dms.	gal.	.65 - —
tanks, E. works. Anhydrous 3c. per gal. higher.	gal.	.53 - —
SD2B, dms., c.l., works, E.	gal.	.57 - —
19 dms., works, E.	gal.	.59 - —
1 to 18 dms., works, E.	gal.	.62 - —
tanks, E. works	gal.	.50 - —
SD23G ..Replaced by SD 23H).		
SD23H, works, c.l., dms.	gal.	.60½- —
19 dms.	gal.	.62½- —
1 to 18 dms.	gal.	.65½- —
tanks	gal.	.53½- —
SD29, denatured with acetaldehyde, dms., c.l., E. works	gal.	.58 - —
l.c.l., 19 or more, E. works	gal.	.61½- —
1-18, E. works	gal.	.64½- —
tanks, E. works	gal.	.51 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD2B, plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works	gal.	.61 - —
20 dms. to c.l.	gal.	.63 - —
1 to 19 dms.	gal.	.66 - —
tanks, E. works	gal.	.54 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd.	lb.	.11½- .14½
l.c.l., dlvd.	lb.	.12 - .15
tanks, dlvd.	lb.	.10½- .13½
tech., dms., c.l., dlvd.	lb.	.11 - .13½
l.c.l., dlvd.	gal.	.11½- .14
tanks, dlvd.	lb.	.10 - .12½
Ethyl, 190 pf., ex. molasses, dms., c.l.	gal.	8.19 - —
19 dms.	gal.	8.22½- —
5 to 8 dms.	gal.	8.25½- —
1 to 4 dms.	gal.	8.25½- —
tanks	gal.	8.12 - —
absolute, dms., c.l.	gal.	8.64 - —
5 to 18 dms.	gal.	8.70½- —
1 to 4 dms.	gal.	8.70½- —

Ethyl alcohol in bbls. 4c. higher than dms. Grain alcohol is 10c. per gallon more than the above prices on molasses alcohol.

Ethylhexyl, dms., c.l., works.	lb.	.24 - —
l.c.l., same basis	lb.	.25 - —
tanks, same basis	lb.	.23 - —
Furfuryl, tech., cns., works.	lb.	.35 - —
dms., c.l., 33,000 lbs., works,	lb.	.22½- —
l.c.l., 500 lbs. and more, works.	lb.	.25 - .35
tanks, wks.	lb.	.20 - —
Isoamyl (see Carbinol Isobutyl).		
Isobutyl, refd., dms., works.	lb.	.0860- —
tanks, same basis	lb.	.0760- —
Isopropyl,‡,¶ refd., 91%, dms., 5 gals., f.o.b. dest.	gal.	.66½- —
55 gals., c.l., same basis,	gal.	.40½- —
l.c.l., same basis	gal.	.43½- —
tanks, frt. alld.	gal.	.34 - —
99%, dms., 5 gals., same basis	gal.	.65 - —
55 gals., c.l., same basis,	gal.	.44 - —
l.c.l., same basis	gal.	.47 - —
tanks, same basis	gal.	.37½- —
Methyl (see Methanol).		
Phenylethyl, bots., cns.	lb.	2.10 - 2.50
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls.	lb.	.65 - —
less than 2,000 lbs.	lb.	.70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis.	lb.	.60 - —
less than 2,000 lbs.	lb.	.65 - —

Alcohol, propyl, normal, dms., works.	gal.	.67 - .70
Octyl (see Ethylhexyl alcohol).		
Tetrahydrofurfuryl, dms., contract, 8,000 lbs., f.o.b. Waverly, N. Y.	lb.	.44 - —
475-lb. lots, same basis	lb.	.50 - —
car lots, wks.	lb.	.40 - —
cns., f.o.b. Cedar Rapids, Ia.,	lb.	.55 - —
Aldehol, denat. grade, dms., tanks, works.	gal.	.70 - .72
Aldol, 55 and 110-gal. dms., c.l., works.	lb.	.12 - —
l.c.l. works	lb.	.13 - —
5-10-gal. dms., works.	lb.	.15 - —
Aletris root, bgs.	lb.	.60 - .85
Alizarin (see Red, alizarin).		
Alkanet root, bgs.	lb.	1.75 - 1.80
Allspice, Mexican, bgs.	lb.	.23 - .23½
Alpha tocopherol, ampules, per	gram.	1.00 - 1.50
Aloe, Cape, cs.	lb.	.17 - .18
Curacao, cs.	lb.	.65 - .70
gourds, bbls.	lb.	.80 - .85
Socotrine, kgs.	lb.	.58 - .60
Aloin, 140-lb. bbls.	lb.	5.45 - —
100-lb. kgs.	lb.	5.47 - —
25-lb. fib. dms.	lb.	5.54 - —
Alphanaphthol, bbls.	lb.	.52 - —
Alphanaphthylamine, bbls.	lb.	.32 - —
Althea root, whole, bbls.	lb.	.68 - 1.35
Alum, ammonia, burnt, USP, bbls., kgs.	lb.	.16 - .18
gran., bbls., works.	100 lbs.	4.00 - —
dlvd., N. Y., Phil.	100 lbs.	4.00 - —
lump, bbls., works.	100 lbs.	4.25 - —
dlvd., N. Y., Phil.	100 lbs.	4.25 - —
Alum, ammonia, powd., bbls., works.	100 lbs.	4.40 - —
dlvd., N. Y., Phil.	100 lbs.	4.40 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd., N.C. price apply to truck or ex warehouse.

Potash, gran., bbls., works.	100 lbs.	4.25 - —
dlvd., N. Y., Phila.	100 lbs.	4.25 - —
lump, bbls., works.	100 lbs.	4.50 - —
dlvd., N. Y. Phila.	100 lbs.	4.50 - —
powd., bbls., works.	100 lbs.	4.65 - —
dlvd., N. Y., Phila.	100 lbs.	4.65 - —

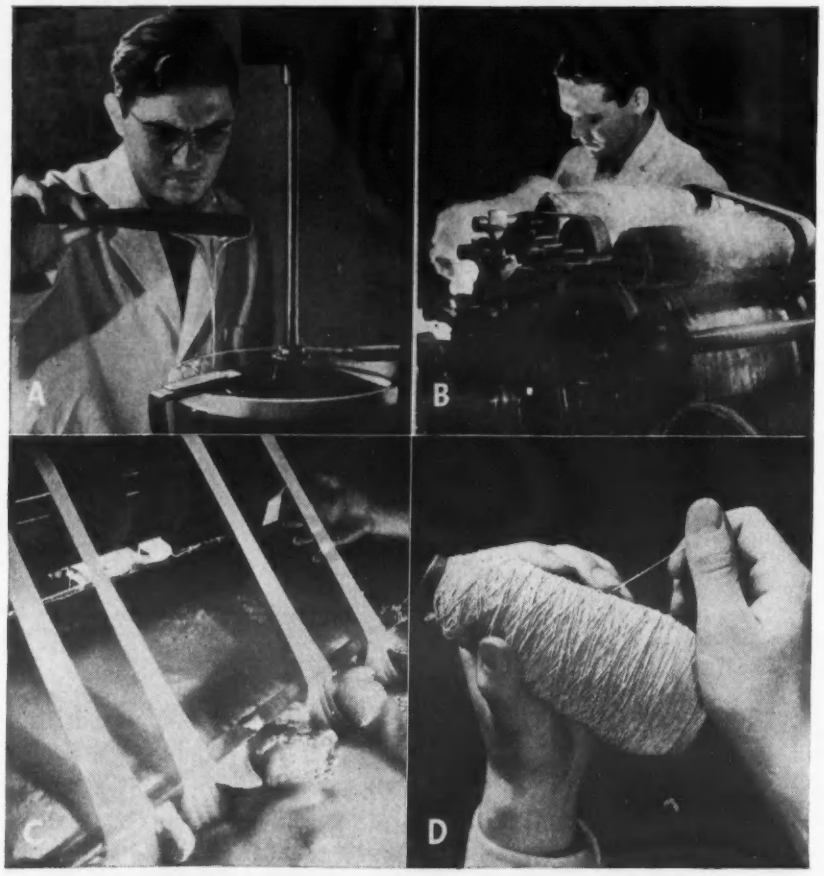
Potash alum prices on same basis as those for ammonia alum.

Chrome, bbls.	lb.	.12½- .15
Soda, bbls., c.l., works.	100 lbs.	3.25 - —
l.c.l., dlvd.	100 lbs.	4.25 - 5.00
Alumina acetate, solut., 24%, l.c.l., bbls., 10 or over, dlvd.	lb.	.10½- —
1 to 9, dlvd.	lb.	.11 - —
normal, solut., 20%, bbls., l.c.l., 10 or over, dlvd.	lb.	.09½- —
1 to 9, dlvd.	lb.	.10 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works.	lb.	.08 - —
12,100 to 40,000 lbs., works.	lb.	.09 - —

Alumina, chloride, anhyd., com'l 1,100 to 11,000 lbs., works,	lb.	.10 - —
140 to 375 lbs., works.	lb.	.11 - —
100 lbs. or less, works.	lb.	.12 - —
cryst., com'l, dms., c.l., works,	lb.	.06 - —
l.c.l., works.	lb.	.06½- .06¾
solut., 32 deg., cbys., c.l., works.	lb.	.02¾- —
l.c.l., works.	lb.	.03¼- —
Fluoride, bbls.	lb.	.35 - .40
Hydrate, heavy, bbls., c.l., works.	lb.	.0340- —
l.c.l., bbls., works.	lb.	.04 - —
bgs., c.l., works.	lb.	.0310- —
light, bgs., c.l., dlvd.	lb.	.14 - —
l.c.l., bgs., dlvd.	lb.	.14½- —
bbls., c.l., dlvd.	lb.	.14½- —
l.c.l., bbls., dlvd.	lb.	.15 - —
Oleate, dms., contract	lb.	.24½- —
Palmitate, precip., bbls.	lb.	.25 - .26
Resinate, precip., dms.	lb.	.15½- —
Stearate, precip., bbls., ctns., c.l.	lb.	.23 - —
l.c.l.	lb.	.24 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled.	100 lbs.	1.15 - 1.25
l.c.l., works, frt. equald.,	100 lbs.	1.40 - 1.50
bbls., c.l., works.	100 lbs.	1.35 - 1.45
l.c.l., works, frt. equald.,	100 lbs.	1.60 - 1.70
iron free, bgs., c.l., works,	100 lbs.	1.75 - 1.85
l.c.l., works.	100 lbs.	2.00 - 2.10
bbls., c.l., works.	100 lbs.	1.95 - 2.05
l.c.l., works.	100 lbs.	2.20 - 2.30

Life On The

(*Left*) **SYMBOL OF VICTORY TO COME** is the Minut Man Flag. Wherever it flies, there is a striking foreca of good news for America—news of more ammunitio of more ships, planes, tanks, and guns for the arme forces of the nation on their far-flung battle front. The Minute Man Flag means that the group that flie it has attained 90 per cent or more employee partic pation in the Payroll Savings Plan of the Treasur Department... that its employees are contributin to the success of the nation's arms by turning over portion of their earnings, regularly every payday, fo the purchase of U. S. War Bonds. From every offic and factory under this flag, a constant stream of dolla is pouring into the nation's productive efforts, to aid i maintaining without interruption the flow of war ma terials into the line of battle. The Savings Plan offe to every gainfully employed person, in every walk life, an opportunity to play a vitally needed part i speeding the coming of victory, by contributing to th extent of his ability to the financing of the war. Unde the Voluntary Payroll Allotment Plan in operation a Cyanamid, fifteen of the company's offices and plant have already been awarded the Treasury Depart ment's Certificate of Merit which entitles them to th privilege of displaying the Minute Man Flag.



(*Left*) **RESEARCH IN TEXTILES** has brough many new types of fibers into existenc from hitherto untapped sources. Wha is believed to be the first textile fibe ever produced from a vegetable protei has been developed in the laboratorie of the Ford Motor Company. Startin point of the fiber is oil-free meal fro the soy bean. Specially selected bean are flaked, and the oil is extracted b means of hexane. The protein, whic forms about 50 per cent of the meal, i obtained by dissolving the meal in solution of caustic soda, and treatin the solution with sulphur dioxide t precipitate the protein. Protein is the soaked in water and brought into solu tion by means of a special solvent mix ture. Photo (A) shows examination o the solution to assure correct viscosity Solution is forced through spinnerette by nitrogen pressure into an acid co agulating bath. (B) shows the fiber being loosened and opened on a card ing machine.

(C) Another protein—casein—i ground, chemically treated, and heate to form the source of "Aralac," a tex tile fiber produced by a subsidiary o National Dairy Products Corporation Photo shows the casein fibers bein forced through spinnerettes under hy drostatic pressure.

(D) Synthetic rubber thread is nov being produced by The B. F. Goodric Company to replace natural rubbe thread for military applications. Civil ian uses may be expected to develo later when supplies become availabl for this purpose. As the textile industr turns to new materials in its productio processes—or modifies its processing t meet new requirements—Cyanamid' technical assistance in the applicatio of textile chemicals takes on an adde measure of importance.

Aluminum, 98-99%, [2,3,4], c.l...lb. .15 - —
l.c.l. .....lb. .16 - —
paste,[6] lining, extra fine, 200-lb. dm..lb. .56 - .69
ink, 150-lb. dm.....lb. .71 - —
standard, 200-lb. dm.....lb. .38 - —
powder,[6] lining, extra fine, 150-lb. dm..lb. .93 - —
litho, 150-lb. dm.....lb. .57 - —
standard, 200-lb. dm....lb. .59 - —
rubber compound, 200-lb. dm..lb. .40 - —
unpolished, standard, 250-lb. dm..lb. .36 - —
varnish, standard, 300-lb. dm..lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from sellers' invoices on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz.17.00 -18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia,[6] anhydrous, fertilizer, f.o.b. Belle, W.Va., frt. equal. with Hopewell, Va..ton.90.00 - —
Ammonia, anhyd., refrigeration,[6] tanks, works.....lb. .05 - —
pure, cycls., dlvd., met. N.Y., lb. .16 - —

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

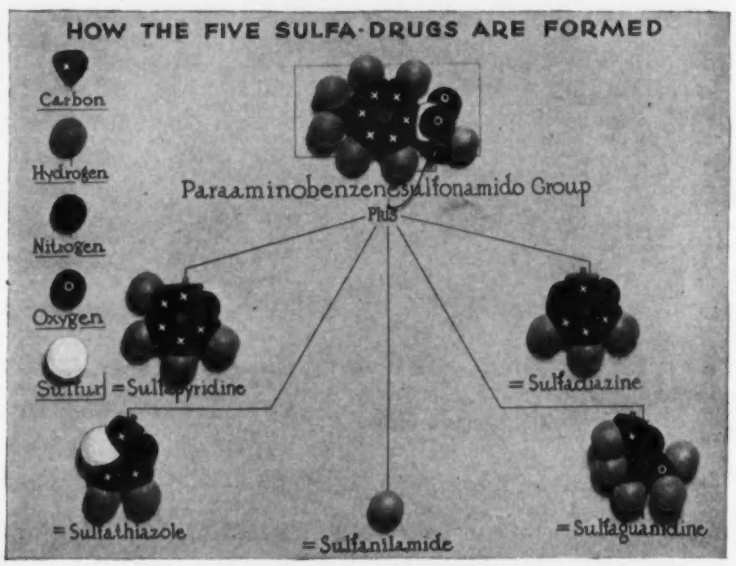
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Ammonia,[6] benzoate, USP, dms., kgs., 4,000 lbs. or more. lb. 1.06 - —
1,000 lbs. to 3,900 lbs.....lb. 1.07 - —
900 lbs. or less.....lb. 1.10 - —
Bicarbonate, dms., dlvd. Met. N. Y..lb. .0564- .0614
Bichromate, bbls.....lb. .20 - .22
Bifluoride, bbls.....lb. .16 - .18
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - .35
bxs. .....lb. .34 - .38
kegs .....lb. .32 - .36
Carbonate, lump, dms., dlvd. Met. N. Y....lb. .08¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .10 - —
100-lb. kgs. .....lb. .13 - —
Citrate, 250-lb. bbls. .....lb. .75 - —
100-lb. dms. .....lb. .80 - —
25-lb. dms. .....lb. .82 - —
25-lb. dms. .....lb. .84 - .85
Ammonia, fluoride, bbls.....lb. .18 - .20
Hydroxide (see Ammonia, aqua)
Hypophosphite, dms. .....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots. .....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate, kgs., works.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works.... 100 lbs. 4.35 - —
bbls., works .....100 lbs. 4.55 - —
Oleate, dms. .....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .28 - .29
Perchlorate,[6] kgs. .....lb. .55 - .65
Persulphate, kgs., dom.....lb. .25½- .28½
Phosphate, dibasic, NF V, bls. lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works..unit-ton. No prices
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l. .....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate[2], dom., bulk, c.l., contr., f.o.b. cars, ports. ton.29.00 - —
spot .....ton.30.00 - —

Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.

Ammonia, sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works..lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd. .....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dms., works .....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works .....lb. .06 - —
Sulphocyanide, C.P., dms....lb. .45 - .55
tech., kgs. .....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis..100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .14½- .17
l.c.l., dlvd.....lb. .15 - .17½
tanks, dlvd. .....lb. .13½- .16
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cans.....lb. 2.75 - —
Chlorides, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06 - —
Ether, dms., c.l., works.....lb. .09½- —
l.c.l., works .....lb. .102 - —
tanks, works .....lb. .08½- —
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., l.c.l., dms., works..lb. .16 - —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .31 - —
Salicylate, 5-lb. bots.....lb. 1.25 - 1.50
Stearate, dms., l.c.l., works..lb. .32½- —
Amylene, dms., c.l., works....lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 2.35 - 2.40
cans .....lb. 2.25 - 2.30
Angelica root, dom., bls.....lb. .55 - 1.35
import., natural, bls.....lb. 3.25 - —
Angostura, bark, bls.....lb. .25 - .30
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .12½- —
Salt, dms., works.....lb. .22 - .24
Anise, Cyprus, bgs.....lb. .37½- .38
Ecuador, bgs.....lb. .34 - .35
Mexican, fair, bgs.....lb. .34½- .35
Spanish, bgs.....lb. .38 - .39
Star .....lb. .60 - .61
Turkish, bgs.....lb. .37 - .38
Anisic aldehyde, bots.....lb. 3.25 - 3.35
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[2,4] bulk, c.l., works...lb. .14½- —
Needle, brown, Bolivian, 67%, lb. .18½- —
Chinese, black, 70%.....lb. .20 - .21
Oxide,[6] bgs., c.l.....lb. .15 - —
l.c.l. .....lb. .15½- —
Salt, 65%, bbls., dlvd. E. of Miss. River..lb. .40 - —
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, bbls.....lb. .26 - —
Areca nuts, powd., bbls.....lb. .25 - .26
Arecoline hydrobromide, bots..oz.11.25 -11.50
Argols, test 70% to 85%, basis 100%, 100 kgm. purity, f.o.b. Spanish ports..100 kilos.105.00 - —
Argentine, f.o.b. N. Y.....kilo.132.00 -134.00
Arnica flowers, bls.....lb. 4.00 - 4.25
Root, bls.....lb. 1.00 - 1.25
Arrowroot, St. Vincent, powd., bgs..lb. .09 - .09½
bbls. .....lb. .09¼- .09¾
Arsenic, metal, lump, ch.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White,[6] powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Asafetida, cs.....lb. .55 - .60
powd., bbls., bxs.....lb. .80 - .85
Asbestine (see Talc, N.Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canad. mines, ton.49.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.44.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.33.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.28.50 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.26.50 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.22.50 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.19.00 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.16.50 - —
7R, bgs., c.l. (30 tons), Canad. mines..ton.15.50 - —
Asphaltum, Manjak No. 10, crude, f.o.b. plant..lb. .04 - .12
smaller lots, f.o.b. plant..lb. .05 - .13
process form, bgs., f.o.b. plant, lb. .03¾- .05
smaller lots, f.o.b. plant..lb. .04¾- .06
California, dms., c.l., f.o.b. N.Y., ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.40.00 - —
Cuban A, bgs., c.l., f.o.b. N.Y., ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y., lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, bgs., c.l., Western shipt. point..ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b. N. J. or N. Y. whse..ton.58.00 - —
jet, bgs., c.l., Western shipping points..ton.21.00 - —
Mexican, Texas, dms., c.l., refinery..ton.21.00 - —
l.c.l., refinery.....ton.21.00 -23.00
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .16 - .20
dms., l.c.l., E. cst., refinery, gal. .15 - .20
Atropine, bots.....oz.24.50 - —
Sulphate, bots.....oz.18.75 - —

Chemical Newsfront

(Right) **SULFA DRUG CHEMISTRY** is graphically shown by these models of the molecular structure of the five currently used drugs in the sulfa family. Starting with the paraaminobenzenesulfonamido group, the addition of an atom or group of atoms chemically linked together serves to produce sulfanilamide, sulfapyridine, sulfaguanidine, sulfathiazole, or the newest of the family group—sulfadiazine. Pioneer in the development and investigation of the sulfa drugs is Lederle Laboratories, Inc., a division of American Cyanamid. The illustration of the molecule models is reproduced by courtesy of *Popular Science Monthly*.



(Below) **QUICK-FREEZING OF FOODS** by a new "syrup" process is reported to result in faster freezing, more natural taste, and to keep foods fresh longer. Syrup used contains about 53 per cent of varied sugars, and has the property of supercooling. It also forms a permanent, airtight coating around the treated food. Process, known as polyphase freezing, was developed by Luis H. Bartlett at the Bureau of Engineering Research, University of Texas.

(Right) **"WASHABLE" OR "WATER-SOLUBLE" OINTMENT BASES** are described as having advantages over greasy types in treatment of certain conditions. AEROSOL* OT, Cyanamid's unusually powerful wetting agent, has been found an effective emulsifier in preparation of several of these new type ointment bases—another instance of its versified utility.

American Cyanamid & Chemical Corporation
A Unit of American Cyanamid Company
30 ROCKEFELLER PLAZA · NEW YORK, N. Y.
*Reg. U. S. Pat. Off.

B

Balm of Gilead buds, bgs.....lb. .70 - .80
Barbasco root (see cube root).
Barberry bark, bgs.....lb. .78 - .80
Tree bark, bls.....lb. No stocks
Barbital, cs. dms.....lb. 3.50 - 3.60
sodium, cs. .....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.55.00 - —
l.c.l., works.....lb.60.00 - —
bbls., c.l., works.....ton.60.00 - —
l.c.l., works .....ton.65.00 - —
Sulphur-free, c.l., works..ton.50.00 - —
l.c.l., works.....ton.65.00 - —
Stearate, ctns., ton to carload lots..lb. .31 - —
smaller lots.....lb. .32 - —
Chlorate,[6] kgs.....lb. .60 - —
Chloride, CP, cryst., bbls.....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., bgs., c.l. Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line. ton.77.00 - —
bbls., same basis...ton.79.00 - —
l.c.l., bgs., same basis.. ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla.ton.81.00 - —
bbls., same basis...ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.87.00 - —
bbls., same basis...ton.89.00 - —
ton.100.00 - —
bbls., same basis...ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.58.00 - —
l.c.l., bgs., same basis.. ton.97.80 - —
bbls., same basis...ton.99.80 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls. .....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots. .....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks. .....lb. .11 - .12
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns. (50 lbs. each), ton and car-load lots..lb. .31 - —
less than ton lots.....lb. .32 - —
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls. .....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse, N.Y.....ton.36.00 - —
paper bags, c.l., St. Louis, ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., New York.ton.34.00 - —
Southern, off color, bgs., mines..ton.17.50 - —
95.75%, bgs., mines....ton.18.00 - —
ore, bulk, mines.....ton. 8.00 - —
Barytes, German.....ton. No prices
Italian .....ton. No prices
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, bbls.....gal. 1.40 - 1.50
Bayberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 3.45 - 3.50
Root, bls.....lb. 1.75 - 2.15
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .55
NF VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.00 - 4.00
Benzol,[2,8] 90%, dms., returnable, works..gal. .20 - —
tankcars, frt. alld. up to 2c. per gal..gal. .15 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.20 - 1.25
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
dms. .....lb. .55 Nom.
Benzyl acetate, f.f.c., cns.....lb. .59 Nom.
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., dms.. lb. 2.50 - —
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.50 Nom.
Formate, cns.....lb. 3.50 - 3.75
Isoeugenol, bots.....lb. 9.50 - —
Propionate, bots.....lb. 4.00 - —
Salicylate, bots.....lb. 2.50 - —
Benzylidineacetone, bots.....lb. 3.00 - 3.25
Berberine bisulphate, cns.....lb.22.50 -38.50
Hydrochloride, cns.....lb.22.50 -38.50
Sulphate, cns.....lb.22.50 -38.50
Berberis root, bls.....lb. .13 - .14
Betanaphthol, sublim., kgs...lb. .55 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.50 - —
kgs. .....lb. 2.70 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .33 - .35
Bismuth chloride, 5-lb. bots...lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP, VIII, 5-lb. bots., lb. 2.86 - —
jars .....lb. 2.75 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, bots., cns.....lb. 1.59 - 1.85
175-lb. bbls.....lb. 1.50 - —
Subcarbonate, X-ray, 5-lb. bots., lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Bismuth, subgallate, bots., cns.. lb. 1.49 - 1.72
fib. dms.....lb. 1.40 - —
Subiodide, bots.....lb. 4.24 - —
fib. dms.....lb. 4.13 - —
Subnitrate, powd., bots., cns.lb. 1.29 - 1.57
250-lb. bbls.....lb. 1.20 - —
Subsalicylate, 60-66%, bots...lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.76 - —
fib. dms.....lb. 3.65 - —
Trioxide, powd., 5-lb. bots...lb. 3.76 - —
cns. .....lb. 3.65 - —
Bismuth ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black,[3] acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, c.l.....lb. .17 - —
l.c.l. .....lb. .17½- —
2, c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —
3, c.l.....lb. .12 - —
l.c.l. .....lb. .12½- —
4, c.l.....lb. .11 - —
l.c.l. .....lb. .11½- —
5, c.l.....lb. .06½- —
l.c.l. .....lb. .09 - —
6, c.l.....lb. .06½- —
l.c.l. .....lb. .09 - —
7, c.l.....lb. .11½- —
l.c.l. .....lb. .12 - —
8, c.l.....lb. .12½- —
l.c.l. .....lb. .13 - —
Bone black prices are for barrels or bags, freight allowed East. Pacific Coast prices are 1½c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03625- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .08 - —
dlvd. .....lb. .08 - —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .03550- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07½- —
dlvd. .....lb. .07½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, dom., 1, ctns., c.l., works..lb. .07½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .18¾- —
l.c.l., works.....lb. .20 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .40 - —
Mineral, vine type, bbls., l.c.l., f.o.b. works..lb. .0434- —
Vine, A, bbls., works or N. Y. lb. .04½- .05
B, bbls., works or N. Y...lb. .05¾- —
kegs, f.o.b. N. Y.....lb. .06 - —
dms., c.l., frt. alld.....lb. .09½ Nob.
Black dyes are listed under Dyes.
Black Haw root bark, bls.....lb. .40 - .45
Tree bark, bls.....lb. .20 - .21
Black Indian hemp root, bls..lb. .20 - .26
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.50 - —
direct process, bgs., c.l., f.o.b. Huntington, W.Va.ton.70.00 - —
bbls., same basis.....ton.75.00 - —
l.c.l., same basis.....ton.75.00 - —
bbls., same basis.....ton.80.00 - —
pulp, 66⅔%, bbls., c.l., works. ton.40.00 - —
l.c.l., works.....ton.46.50 - —
Bleaching powder,[3] dms., c.l., works..100 lbs. 2.25 - 3.10
l.c.l., works.....100 lbs. 2.50 - 3.35
Blood, dried, dom., 16-16½% ammon., bgs., f.o.b. N. Y.. unit-ton. 5.45 - 5.50
high-grade, grd., 16-17% ammon, bulk, f.o.b. Chicago. unit-ton. 5.65 - 5.70
import, bgs., c.i.f. ports, shipt..unit-ton. 5.50 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .33 - .41
Blue,[3] alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .85 - .90
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts..lb. .36 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .36 - —
Cobalt,[8] genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld.. 3.30- 3.75
Blue, milori, bbls., same basis, contracts..lb. .36 - —
Molybdated, Victoria, same basis, contractr..lb. 3.15 - —
Peacock, same basis, contracts. lb. .52 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .36 - —
Tungstated, peacock, kgs....lb. 4.00 - —
Victoria, kgs.....lb. 3.30 - —
methyl violet, kgs.....lb. 2.10 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .23 - .27
jobbing grades, bbls., same basis..lb. .12 - .13
regular grades, bbls., same basis..lb. .17 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes, 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .20 - .30
Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., bots., cns., dms.....lb. 1.70 - 1.84
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.39.00 Nom.
import, bgs., c.l.f. ports..ton.37.50 Nom.
steamed, dom., 1½% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 -41.00
import, 1% ammon., 65-70% bgs., c.i.f. ports..ton.42.00 Nom.
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.35.00 -37.50
import, bgs., c.i.f. ports..ton.37.50 Nom.
Phosphate, precip. (see Calcium phosphate dibasic, precip.).
Boneset leaves, bls.....lb. .12 - .13
Borage flowers, bls.....lb. .40 - .90
Borax,[3] tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld.....ton.45.00 - —
ton lots, ex whse.....ton.56.00 - —
less than ton lots, ex whse..ton.61.00 - —
bbls., c.l., frt. alld....ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less than ton lots, ex whse..ton.71.00 - —
powd., bgs., c.l., frt. alld.ton.50.00 - —
ton lots, ex whse....ton.61.00 - —
less than ton lots, ex whse..ton.66.00 - —
bbls., c.l., frt. alld....ton.60.00 - —
ton lots, ex whse....ton.71.00 - —
less than ton lots, ex whse..ton.76.00 - —
USP $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. and over, no trucking or freight allowances for works or warehouse pickups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - .30
single pkgs., same basis..lb. .30 - .35
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.30 - 5.00
Bronze powder, aluminum (see A),
Gold, litho, cns., dms., over 10 lbslb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .15 - .18
Brown,[3] iron oxide, pure precip., cks., f.o.b. N. Y..lb. .12 - —
Metallic, iron oxide, bbls., wks., lb. .02½- —
paper bgs., c.l., works....lb. .0235 - —
Sap, crystals, dom., works...lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¾- .05
Italian, Amer. replacement type, bbls., f.o.b. works, lb. .08¾- .10¼
raw, American, bbls., f.o.b. works..lb. .04 - .10
Italian, Amer. replacement type, bbls., f.o.b. works, lb. .08 - .10
Umber, American, bbls., works, lb. .03¾- —
Italian type, Amer. replacement., bbls., works..lb. .04¾- —
Turkey-type, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y..lb. .04¾- —
St. Louis.....lb. .05½- —
ex car, Los Angeles....lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse, Los Angeles, lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Boston .....lb. .04¾- —
Chicago, Indianapolis, New Orleans..lb. .05½- —
Kansas City.....lb. .05¾- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
Vandyke, regular, bbls., l.c.l., works..lb. .09 - —
special .....lb. .12 - —
Brucine, 100 oz., cns.....oz. .35 - —
Sulphate, 100 oz., cns.....oz. .30 - —
Bryonia root, bls.....lb. 1.25 - 1.30
Buchu leaves, bls.....lb. .80 - .82
Buckthorn bark, true, bls.....lb. .65 - .87
cut and sifted, bbls.....lb. .85 - .97
Berries, bgs.....lb. .85 - .90
Burdock root, bls.....lb. .38 - .40
Burgundy pitch, dom., dms...lb. .07½- .09
Butane,[1] industrial grade, tanks, f.o.b. Group 3.....gal. .02½- .03½
Butternut bark, bls.....lb. .08 - .09
Butyl acetate,[2] norm., dms., c.l., frt. alld..lb. .14½- .153
l.c.l., frt. alld.....lb. .15 - .173
tanks, frt. alld.....lb. .13½- .158
secondary, dms., c.l. frt. pd. E. of Miss. R.lb. .09½- —
dms., l.c.l., same terms.lb. .10 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Carbinol, secondary, l.c.l., dms., works..lb. .60 - —
Chloride, normal, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Ether (see under Ether).
Lactate, dms.....lb. .28½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb .15½- —
Stearate, dms.....lb. .31 - —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N.Y....lb. .60 - —

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.65 - 1.66
single jars.....lb. 1.70 - —
5-lb. bots.....lb. 1.84 - 1.91
Iodide, 5-lb. bots.....lb. 4.23 - —
25-lb. cans.....lb. 4.09 - —
Lithopone (see Yellow).
Metal, [1,4], pat., shapes, cs., dlvd..lb. .95 - —
ingots or sticks.....lb. .90 - —
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100-lb-dms..lb. 2.60 - —
25-lb. dms.....lb. 2.68 - —
10-lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms. lb. 2.65 - —
10-lb. cns.....lb. 2.70 - —
25-lb. dms.....lb. 2.68 - —
1,000 lbs. or more, 100-lb. dms. lb. 2.70 - —
25-lb. dms.....lb. 2.73 - —
10-lb. cns.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms..lb. 2.80 - —
25-lb. dms.....lb. 2.82 - —
10-lb. cns.....lb. 2.85 - —
less than 100 lbs., 10-lb. cns. lb. 3.15 - —
Citrated, bots.....lb. 2.30 Nom.
Hydrobromide, bots.....lb. 5.20 - 5.37
Calabar beans, bgs.....lb. .35 - .40
Calamus root, peeled, N.F., cs. lb. No stocks
bleached, bls.....lb. No stocks
dom., natural, bls.....lb. .30 - .45
Calcium acetate, bgs., dlvd.... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l.....lb. .07 - .08
l.c.l. .....lb. .07½- .08½
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equald..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd..100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse.100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, paper bgs., 77-80%, c.l., dlvd..ton.18.50 -35.00
l.c.l., 15 tons, dlvd....ton.21.50 -35.50
5 ton lots.....ton.28.50 -41.00
liquor, basis 40%, tanks, wks. ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.18.00 -34.50
l.c.l., 15 tons, dlvd...ton.21.45 -35.45
5-ton lots.....ton.28.45 -40.95
Calcium chloride c.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags, and drums $3.50 per ton over paper bags.
Gluconate, USP, gran., 150-lb. bbls..lb. .52 - —
dms. .....lb. .57 - .59
cns. .....lb. .70 - —
Powd., 2c. per lb. lower.
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.28 - —
100-lb. lots.....lb. 1.43 - —
cns., 25 lbs.....lb. 1.68 - —
Hypophosphite, cns.....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .27 - .28
Mandelate, dense, dms.....lb. 2.05 - 2.15
fluffy, dms.....lb. 2.05 - 2.15
Palmitate, bbls.....lb. .28 - .29
Pantothenate, dex., 100-gram bots..per gram. .50 - —
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt. unit-ton. No prices
feeding grade, bgs., f.o.b. works..ton.75.00 - —
food grade, f.o.b. works, 10 bbls. and over..lb. .07 - .07¾
5 to 9 bbls., same basis. lb. .08 - .09
1 to 4 bbls., same basis. lb. .10 - —
medicinal, bbls.....lb. .11½- .13
dms. .....lb. .12½- .16
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
5 tons and over, bgs., same basis..lb. .06 - —
less than 5 tons, same basis..lb. .06½- —
tribasic, c.l., bbls., works. lb. .0635- —
l.c.l., bbls.....lb. .0705-0785
Resinate, precip., bbls., 1 ton. lb. .15 - —
smaller lots.....lb. .16 - —
Stearate, precip., c.l.....lb. .25 - —
ton lots.....lb. .26 - —
less than ton lots.....lb. .27 - —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., works.ton.51.00 - —
luminous, dom., tins, works. 100 lbs. 1.25 - —
Sulphocarbolate, 200-lb. bbls..lb. .48 - —
Calendula flowers, bls.....lb. 3.25 - 3.30
Calomel,[3] bbls., fib. dms., kgs., 50 lbs. or more..lb. 2.95 - —
Camphor, natural, powd., cs...lb. 1.60 - 1.65
slabs, cs.....lb. 1.60 - 1.65
tablets, tin.....lb. 1.70 - 1.75
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .42 - —
smaller lots, works...lb. .47 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Monobromate, bulk, 100-lb. lots. lb. 3.10 - —
25 to 50-lb. lots.....lb. 3.20 - 3.25
Canada balsam (see Fir, balsam).
Canary seed, Argentine, bgs...lb. .09¼- .09¾
Morocco, bgs.....lb. .09⅝- .10¼
Canella alba bark, bls.....lb. .29 - .30
Cantharides, Chinese, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.45 - 2.50
Russian, cs.....lb. 6.00 - 6.25
powd., bxs.....lb. 6.25 - 6.50
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. 1.25 - 1.30
Morocco, bgs.....lb. .78 - .80
Syrian, bgs.....lb. 1.10 - 1.15
afloat, bgs.....lb. .80 - .82
Carbazole, 90%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, c.l., dms., works...lb. .225 - —
l.c.l., same basis.....lb. .235 - —
tanks, same basis.....lb. .215 - —
Carbon bisulphide, 55 gal., dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08¼
Dioxide, cyls.....lb. .06 - .06
Tetrachloride, [1, 8], Zone 1, 53½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —

Carbon tetrachloride, Zone 2,			
52½-gal. dms., c.l., frt. alld. gal.	.60	-	—
l.c.l., frt. alld.....gal.	.87	-	—
5 or 10-gal. dms., c.l., frt. alld..gal.	1.04	-	—
l.c.l., frt. alld.....gal.	1.14	-	—
Zone 3, 52½-gal. dms., c.l., frt. alld..gal.	.94	-	—
l.c.l., frt. alld.....gal.	1.00	-	—
5 or 10-gal. dms., c.l., frt. alld..gal.	1.17	-	—
l.c.l., frt. alld.....gal.	1.37	-	—
Zone 4, 52½-gal. dms., c.l., gal.	.83	-	—
l.c.l. .....gal.	.90	-	—
l.c.l., 5 or 10-gal. dms., c.l. .....gal.	1.07	-	—
l.c.l. .....gal.	1.17	-	—

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

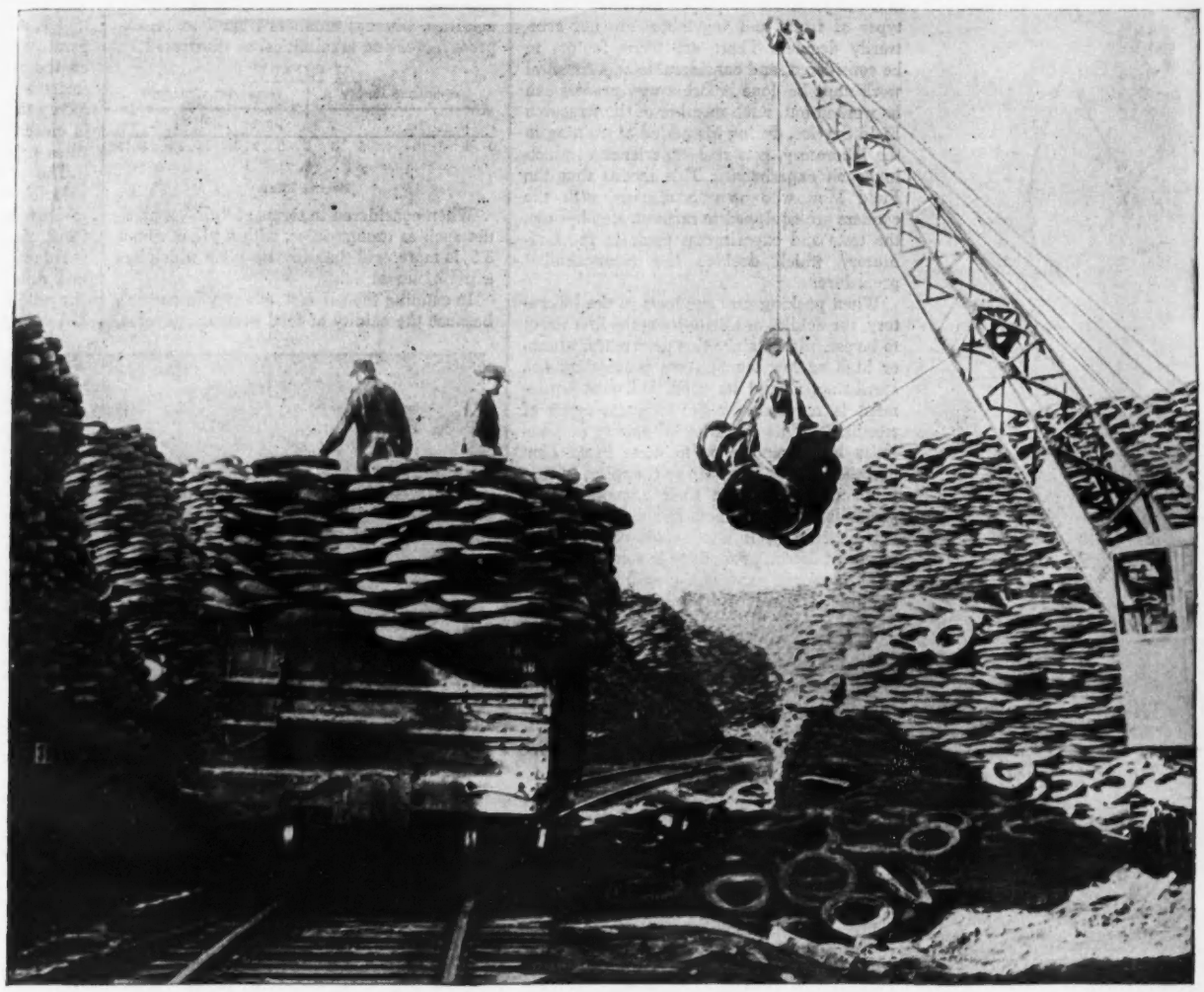
Cardamom, bleached, cs.....lb.	1.70	-	1.85
decorticated, cs.....lb.	1.65	-	1.90
green, Alleppey, bgs.....lb.	1.25	-	1.40
Ceylon, cs.....lb.	1.10	-	1.15
Carob bean flour (see Gum, Locust bean).			
Carvol, bots.....lb.	22.50	-	23.50
Cascara sagrada bark, bulk....lb.	.28	-	.32
Case-hardening mixtures, 30% lump, dms., l.c.l..lb.	.09	-	—
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb.	.15	-	—
5 tons, works.....lb.	.15¼	-	—
smaller lots, works.....lb.	.15½	-	—
80-100 mesh, c.l., dlvd.....lb.	.15½	-	—
5 tons, works.....lb.	.15¾	-	—
smaller lots, works.....lb.	.16	-	—
import, Argentine, 20-30 mesh, bgs., c.l., c. and f..lb.	.12¾	-	—
80-100 mesh., bgs., c.l., c. and f..lb.	.13¼	-	—
French, 30 mesh, bgs., c.l., duty paid..lb.	No prices.		
New Zealand. 20-30 mesh, c.l., bgs., duty paid..lb.	No prices.		
Cassia, Batavia, No. 1, thin quill, bls..lb.	.84	-	.85
No. 1, regular, bls.....lb.	.83	-	.84
shortstick, bls.....lb.	.83	-	.84
broken, bls.....lb.	.73	-	.75
China, buds, bgs.....lb.	.85	-	.90
rolls, select, bls.....lb.	.72	-	.74
broken, bls.....lb.	.70	-	.71
Saigon, all thin, bls.....lb.	.95	-	1.00
all thin, bls.....lb.	1.00	-	1.10
Cassia fistula, bskts.....lb.	.25	-	.26
Castoreum, nat., cns.....lb.	12.50	-	15.00
Synth., bots.....lb.	19.00	-	—
Castor beans, f.o.b. Brazilian ports..long ton.	75.00	-	—
Oil (see Oil, castor)			
Pomace,[1] dom., guaranteed 5½% ammon., bgs., c.l., works, ton.	19.00	-	—
import, bgs., c.l.f ports, shipment..ton.	No prices		
Catechol, c.p., cryst. works, frt. all'd E. of Miss., 100-lb. dms., lb.	.21	—	.25
resublimed, same basis, 100-lb. dms..lb.	3.50	-	—
Celery seed, French, bgs.....lb.	1.02		Nom.
Indian .....lb.	.80	-	.82
Celluloid scrap (see Pyroxylin scrap).			
Cellulose, acetate, flake, frt. alld. lb.	.30	-	—
granules, fine (18 or 40 mesh). frt. alld..lb.	.35	-	—
standard .....lb.	.30	-	—
Acetate-butyrate, flake, high (36.5% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld.....lb.	.45	-	—
1,000-4,900 lbs., frt. alld.lb.	.46	-	—
100-900 lbs., frt. alld...lb.	.47	-	—
smaller pkgs., works...lb.	.48	-	—
medium (15.5 or 17.0%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb.	.43	-	—
1,000-4,900 lbs., frt. alld.lb.	.44	-	—
100-900 lbs., frt. alld....lb.	.45	-	—
smaller pkgs., works....lb.	.46	-	—
standard granules are 5c. per lb. higher, all quantities, fine granules (18 or 40 mesh) are 10c. per lb. higher.			
Acetate-propionate, flake, high (31.5% propionly content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb.	.45	-	—
1,000-4,900 lbs., frt. alld.lb.	.46	-	—
100-900 lbs., frt. alld...lb.	.47	-	—
smaller pkgs., works.....lb.	.48	-	—
standard granules are 5c. per lb. higher, all quantities, fine granules (18 or 40 mesh) are 10c. per lb. higher.			
Triacetate, flake, frt. alld....lb.	.30	-	—
Cerium hydrate, dms., works..lb.	.60	-	—
oxalate, USP, bbls., works...lb.	.55	-	—
kgs., works.....lb.	.57	-	—
Chalk, precip., papermakers, bgs., c.l., works..ton.	32.50	-	—
rubbermakers, bgs., c.l., works. ton.	30.00	-	—
other industries, and paints, bgs., c.l., works..ton.	40.00	-	—
drugs, dentifrices and cosmetics., c.l., spot..lb.	.02¾	-	—
Chamomile flowers, Hungarian type, cs..lb.	.65	-	.70
Roman, bls.....lb.	2.25		Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Ga., W. Va..ton.	37.90	-	—
Colo. .....ton.	34.50	-	—
Conn., Me., Mass., N. H., R. I., Vt..ton.	38.30	-	—
Ill. (except river points), Minn., Neb., Wis..ton.	32.50	-	—
Indiana .....ton.	33.50	-	—
Ill. (river points, Mo., Okla., Tex. (except El Paso), Ia..ton.	27.50	-	—
Kansas, El Paso, Tex.ton.	28.50	-	—
Michigan .....ton.	35.00	-	—
Ohio .....ton.	35.00	-	—
Penn. .....ton.	37.30	-	—
Utah .....ton.	33.50	-	—
Willow, powd., bbls.....lb.	.06	-	.07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb.	.0275	-	—
†anks, works.....lb.	.0225	-	—
Chillies (see Pepper, red).			
China clay, dom., dry-grd., airfloat, 99.75%, 300 mesh., bgs., c.l., works..ton.	9.50	-	—
l.c.l., works.....ton.	16.00	-	—
bulk, c.l., works...ton.	7.60	-	—
200 mesh, bgs., c.l., wks., ton.	8.50	-	—
l.c.l., works.....ton.	9.50	-	15.50
wet-grd., silk-bolt., 99.9%, 325 mesh, bulk, c.l., works..ton.	9.50	-	—
paper bgs., c.l., works.ton.	12.50	-	—
import., white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila., ton.	19.00	-	24.00
powd., cks., l.c.l., ex whse., ton.	41.00	-	—
Chloral hydrate, jars, 1,000 lbs.lo.	.93	-	.95
500 lbs.....lb.	.96	-	.98
100 lbs.....lb.	.98	-	1.00
25 lbs.....lb.	1.00	-	1.02
1-10 lbs.....lb.	1.05	-	1.07
dms., 1,000 lbs.....lb.	.90	-	.92
500 lbs.....lb.	.93	-	.96
100 lbs.....lb.	.95	-	.97
Chlorinated rubber,[6] standard, 100 lbs. or more, works..lb.	.32	-	—
smaller lots.....lb.	.35	-	—
Chlorine,[5,7,8] liquid, cyls., c.l., divd., N.Y..lb.	.05¼	-	—
contracts, divd., N. Y....lb.	.05¼	-	—
l.c.l., divd., N. Y.....lb.	.07¼	-	—
tanks, single units, works, frt. equald..100 lbs.	1.75	-	—
multiple unit, 3 or over, works, frt. equald.100 lbs.	2.00	-	—
2, works, frt. equalized... 100 lbs.	2.50	-	—
1, works, frt. equalized... 100 lbs.	3.00	-	—
Chloroform, tech., 650-lb. dms.lb.	.20	-	—
100-lb. dms.....lb.	.22	-	—
50-lb. dms.....lb.	.28	-	—
USP, 650-lb. dms.....lb.	.30	-	—
100-lb. dms.....lb.	.32	-	—
50-lb. dms.....lb.	.33	-	—
Chlorpicrin, com'l, 180-lb. cyls., frt. alld..lb.	.80	-	—
100-lb. cyls., frt. alld.....lb.	.85	-	—
25-lb. cyls., works.....lb.	1.00	-	1.15
1-lb. bot., case 2, works... lb.	1.25	-	—
Chrome acetate, powd., 24%, bbls., lb.	.22	-	—
solut., 5½%, cs., bbls.....lb.	.07¾	-	.08½
7½%, cs., bbls.....lb.	.07½	-	—
Cake, bulk, c.l., works.....ton.	16.00	-	—
Green (see Green, chrome).			
Oxide (see Green, chrome).			
Trioxide (see Acid, chromic).			
Yellow (see Yellow, chrome).			
Chrysarobin, 5-lb. bot.....lb.	6.03	-	7.00
Cinchona bark, quill, USP, 10 in., medium, cs..lb.	1.25	-	1.30
20 in., thick, cs.....lb.	No stocks		
20 in., medium, cs.....lb.	No stocks		
USP, broken quill, red, bgs..lb.	.19	-	.20
yellow, bgs.....lb.	.19	-	.20
Cinchonidine,[5] small, crys., cns., 100 ozs..oz.	.89	+	.13½*
Sulphate, NF, cns., 100 ozs..oz.	.53	+	.13½

* Cinchonidine buyers must pay a surcharge of 13½c. per oz. to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine,[5] small, cryst., cns., 100 ozs..oz.	.62	+	.13½*
large cryst., cns., 100 oz..oz.	.66	+	.13½
Sulphate, NF, cns., 100 oz..oz.	.42	+	.13½

* Cinchonine buyers must pay a surcharge of 13½c. per oz. to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb.	3.55	-	3.60
1 and 5-lb. bots.....lb.	3.70	-	3.80
100 lbs., dms.....lb.	3.50	-	—
Cinnamic alcohol (see Alcohol, cinnamic).			
Cinnamon, Ceylon, 2, bls.....lb.	.64	-	.65
Citral, bots., cns.....	5.50	-	7.00
Citrine ointment,[3] jars.....lb.	.98	-	1.00
Citronellal, bots., dms.....lb.	2.75	-	3.25
Citronellol, bots., dms.....lb.	7.00	-	7.25
Clove, Amboina, bgs.....lb.	.32	-	.33
Zanzibar .....lb.	.18	-	.18½
Clover tops, red, dom., bgs....lb.	.26	-	.30
Coaltar, coal-gas, crude, bbls., c.l., works..bbl.	7.50	-	7.75
l.c.l., works.....bbl.	8.25	-	8.50
tanks, works.....gal.	.07½	-	.09
refd., bbls., c.l., works...bbl.	8.00	-	8.25
l.c.l., works.....bbl.	8.75	-	9.00
tanks, works.....gal.	.08½	-	.10
water-gas, crude, dms., c.l., works..dm.	7.50	-	—
l.c.l., works.....dm.	8.25	-	—
l.c.l., works.....dm.	8.75	-	—
refd., dms., c.l., works...dm.	8.00	-	—



Caustic keeps 'em rolling...

• Every pound of rubber that is reclaimed from the junk heap is part of a larger reclamation program . . . helping to win back half a world that is being subjected to systematic waste. • In the process of reclaiming rubber, caustic soda plays an important part, the dissolving of cotton fabric. • But this is only one of the many wartime uses for caustic soda. A vital chemical product, it helps to recover tin from scrap, to refine petroleum products and to produce glycerine for explosives. • Michigan Alkali Caustic Soda, along with many other Michigan Alkali Products, is helping to further the progress of the nation in war, as it has done through many years of peace.

MICHIGAN ALKALI COMPANY

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INSIDE NEWS

JULY PREPARED BY NATIONAL CAN CORPORATION, NEW YORK, N. Y. 1942

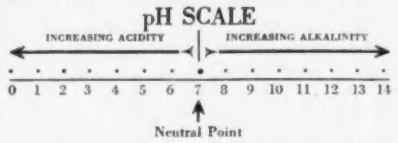
National's Research Field Service Watches the pH

A canner readily understands that the methods of canning and the processing times and temperatures employed for the different types of fruits and vegetables are not arbitrarily decided. There are many factors to be considered, and considerable experimental work must be done before a new process can be worked out. Each member of the Research Field Service, during his period of training in the laboratory, gets real experience conducting such experiments. This means that the Field Men who operate directly with the canners are equipped to recount, step-by-step, the tests and experiments made in the Laboratory which decided the recommended procedure.

When packing new products in the laboratory, the acidity or alkalinity is the first thing to be established since this determines whether high or low temperature processing, i.e., sterilizing, should be used. Different equipment is required for the different types of sterilizing. This condition of acidity or alkalinity is of importance to these Field Men and the Canner, not only as it applies to new products, but also in their examination of products already canned. In the Bacteriological Laboratory, it also serves as a helpful means of detecting spoilage in some products.

To correctly express the acid intensity or alkaline intensity of a product the small letter p and capital letter H were adopted. When combined to "pH" these become the symbol for this very important condition.

To take the mystery from "pH", let it be said that all degrees of acidity and alkalinity are expressed on a scale of numbers ranging from 0 to 14, known as the pH scale. The exact neutral point is number 7, which incidentally is the pH of pure distilled water. Numbers from 7 to 0 represent increasing acidities, whereas numbers from 7 to 14, express increasing alkalinities, as illustrated:



When considered in terms of "pH", a product such as orange juice, with a pH of about 3.5, is more acid than tomato juice which has a pH of about 4.2.

In canning the pH factor is very important, because the acidity of food products governs, to a large extent, the time and temperature used in the packing process. Fruits are usually more acid (have a lower pH) than vegetables, and can be processed at boiling temperatures (212°F.) or below. Most vegetables, on the other hand, which are less acid than fruits, and range on the pH Scale from about 5.2 up to 6.6, have to be processed by heating in closed retorts, under pressure, at temperatures up to 252° F. for proper preservation.

The pH of foods may be determined by color changes of special dyes or by electrical measurements with an instrument such as is illustrated in the photograph.

Adaptation of the use of pH in the food and other industries is another milestone in the progress of science. "RESEARCH IS ORGANIZED THINKING." (162)

Using the latest type of equipment, as shown in the photograph, the operator, places about a 1/6 oz. sample into a special cup. After inserting the electrodes into the sample cup, the door is closed, and by manipulation of the knobs on the panel of the instrument, the pH is obtained from a direct reading scale.

Tara Means Wealth for Peru

The wild tara bush, source of an extract for tanning leather, is developing into a new source of wealth for Peru. The tara bush is a close cousin to the divi-divi found in the Caribbean countries. It bears a long pod filled with seeds. The pod and pulp that surround the seeds have a tanning content of 50 to 60 per cent. That the world offers a large market for tanning extracts is shown by the fact that the United States alone in the first 9 months of 1941 imported from Argentina and Paraguay some 167,800,000 pounds of quebracho-wood extract, plus several thousand tons of quebracho wood, used for tanning purposes. Purchases of tanning extracts from such sources as Madagascar, India, Borneo, South Africa and Europe now are halted or hampered on account of war. The tanning business of the United States in 1939 was greater than that of all Europe, including the United Kingdom. (163)

Sand Insulation Reaches Commercial Stage

Puffed up sand is a new insulating material said to be much more resistant to heat transfer than any other known substance. Production of the material has recently reached the commercial stage. Known technically as silica aerogel, the material is now being used chiefly where large temperature differences exist, such as in high-temperature laboratory furnaces and extreme low-temperature freezing chambers. (164)

(Advertisement)

Cobalt acetate,[6] bbls., kgs., dlvd.	lb.	.83¼	—
feed grade, 29% Co., 100 lbs.	lb.	1.25	—
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York.			
Carbonate,[6] powd., bgs., works.	lb.	1.58	—
feed grade, 49.5% Co., 100 lbs.	lb.	1.85	—
Chloride, kgs., works	lb.	.87½	—
feed grade, 24.5% Co., 100 lbs.	lb.	1.25	—
Hydrate,[6] bbls	lb.	2.04	—
feed grade, 62% Co., 100 lbs.	lb.	2.25	—
Linoleate, paste, 5%, dms.	lb.	.32	.35
Linoleate, solid, 8½%, dms.	lb.	.44	—
Nitrate, feed grade, 20.4% Co., 100 lbs.	lb.	1.25	—
Oleate, bbls.	lb.	.44	Nom.
Oxide,[6] black, kgs.	lb.	1.54	—
Phosphate, feed grade, 34% Co., 100 lbs.	lb.	1.75	—
Resinate, fused A, bbls.	lb.	.15	—
1 %, cobalt oxide, bbls.	lb.	.15	—
2 %, cobalt oxide, bbls.	lb.	.16	—
3½%, cobalt oxide, bbls.	lb.	.18	—
precip., dms., dlvd.	lb.	.33	—
Sulphate,[7] dms.	lb.	.65	—
feed grade, 21% Co., 100 lbs.	lb.	1.00	—
Cobalt-Ammonium sulphate, 14% Co., 100 lbs.	lb.	.75	—
Cocaine, hydrochloride, 100 ozs., cns.	oz.	9.75	—
Cochineal, gray, bgs.	lb.	.27	.33
Teneriffe, silver, bgs.	lb.	.33	.39
Cocoa butter,[1] bulk, f.o.b., shipping point	lb.	.25½	—
Cocillana bark, bgs.	lb.	.21	.22
Codeine, cns., 100 ozs.	oz.	11.70	—
Hydrochloride, cns., 100 ozs.	oz.	10.60	—
Phosphate, cns., 100 ozs.	oz.	9.00	—
Sulphate, cns., 100 ozs.	oz.	9.50	—
Codliver oil (see Oil, codliver).			
Cohosh root, black, bls.	lb.	.09	.11
blue, bls.	lb.	.09	.10
Colchicine, bots., cns.	oz.	33.00	-63.00
Colchicum seed, bgs.	lb.	6.00	Nom.
Collodion, USP, dms., 325 lbs.	lb.	.19½	.20½
cns., 30 lbs.	lb.	.23	.29½
flexible, USP, dms., 325 lbs.	lb.	.21	.22
cns., 25 lbs.	lb.	.25	.31
Colocynth pulp, bls.	lb.	1.10	1.35
Colombo root, bls.	lb.	.18	.20
Coltafoot leaves, bgs.	lb.	.90	1.00
Condurango bark, bgs.	lb.	.10½	.11
Conium leaves, bls.	lb.	1.18	1.20
Copaiba, balsam, Para, cns.	lb.	.47	.49
S.A., USP, cns.	lb.	.50	.52
Copper acetate, normal, bbls., dlvd.	lb.	.24	—
smaller containers, dlvd.	lb.	.26	—
Carbonate, 52-54%, bbls.	lb.	.18	.20½
Chloride, anhyd., bbls.	lb.	.23¼	—
Cyanide, tech., bbls.	lb.	.34	.38
Iodide, bots.	lb.	5.15	5.19
Metal,[1,8,9] electrolytic	lb.	.12	.12½
Nitrate, tech., cryst., bbls.	lb.	.16	.18½
Oleate, precip., bbls.	lb.	.22½	.29½
Oxide, black, bbls., tons, works.	lb.	.19½	.21
Red, com'l, kgs., f.o.b. N. Y.	lb.	.20	.22
Copper, resinate, precip., bbls.	lb.	.15½	.16
sulphate, 99%, cryst., bbls., c.l., f.o.b. works	100 lbs.	5.15	5.50
l.c.l., 16-50 bbls., same basis,	100 lbs.	5.30	5.65
6-15 bbls., same basis	100 lbs.	5.40	5.75
1-5 bbls., same basis	100 lbs.	5.65	6.00
monohydrated, dms., c.l., dealers, f.o.b. works	100 lbs.	9.20	—
l.c.l., dealers	100 lbs.	10.20	—
Copperas, cryst., gran., bgs., c.l., works	ton.	17.00	—
bbls., c.l., works	ton.	20.00	—
l.c.l., 25 or over, works	100 lbs.	1.55	—
1-4, works	100 lbs.	2.00	—
bulk, c.l., works	ton.	14.00	—
Copra, Coast, ship	lb.	No prices	
Coriander, Morocco, bgs.	lb.	.13½	.14
bleached, bgs.	lb.	.15¼	.15¾
Indian, bgs.	lb.	.08½	.09
Corn silk, bls.	lb.	.20	.22
Corn sugar, tanners', chipped, bgs., c.l., dlvd.	100 lbs.	3.62	—
slabs, bbls., c.l.	100 lbs.	3.54	—
Syrup, 42°, bbls., c.l.	100 lbs.	3.69	—
43°, bbls., c.l.	100 lbs.	3.74	—
Corrosive sublimate,[3] cryst., dms., 50 lbs. or more	lb.	2.39	—
gran., powd., dms., 50 lbs. or more	lb.	2.24	—
Cottonroot bark, bls.	lb.	.14	.15
Cottonseed, hull ash,[1] 32-36% potash, bgs., dlvd.	unit-ton.	1.00	—
meal, 8%, Southeast, mills.	ton.	37.00	-37.50
Coumarin, 5 lbs. or more, 25-lb. cns.	lb.	2.75	—
1-lb. cns.	lb.	2.90	—
1-oz. cns.	lb.	3.25	—
less than 5 dms., cns.	lb.	4.15	4.65
Cramp bark, NF, bls.	lb.	.60	.75
Cranesbill root, bls.	lb.	.18	.19
Cream of tartar, gran. or powd., bbls., 5,000 lbs. one shipm't,	lb.	.57½	—
smaller lots, bbls.	lb.	.58	—
kgs.	lb.	.58½	—
Creosote, beechwood, cbys., dms.,	lb.	.80	.85
bots.	lb.	1.00	1.04
hardwood, USP, bots.	lb.	.60	.77
Pine, dms.	gal.	.28	—
Carbonate, bots., cbys.	lb.	2.10	2.39
Oil, crude, tanks, works.	gal.	.15½	—
Coaltar, solution, tanks, works,	gal.	.141	—
refd., bbls., l.c.l., works.	gal.	.26	—
tanks, works.	gal.	.18	.18½
Cresol,[6] USP, dms., c.l., works,	lb.	.10¾	—
l.c.l., same basis	lb.	.11¼	—
tanks	lb.	.10	—
special resin grade, dms., c.l., works.	lb.	.09½	—
l.c.l., same basis	lb.	.10	—
tanks	lb.	.08¾	—
Crotonaldehyde, 97%, 55 and 110 gals., l.c.l., works.	lb.	.15	—
5 and 10-gal. dms., works.	lb.	.18	—
Cryolite, syn., c.l., frt. alld. E. of Miss. River.	lb.	.06½	—
l.c.l., works	lb.	.09¼	—
natural, c.l.	100 lbs.	8.75	—
l.c.l.	100 lbs.	9.25	—

BY NATIONAL CAN

JULY PREPARED BY NATIONAL CAN CORPORATION, NEW YORK, N. Y. 1942

Fish May Die From "Shell Shock"

"Shell Shock" is seen as a possible cause of the unexplained death of many herring along the east coast of Vancouver Island last fall. Not only did the fish die, but investigation revealed that the spawn of herring attached to kelp at a depth of 10 ft. had also died. This development will affect the herring catch three years from now. Tests have revealed no organic disease among herring. But there is a possibility, say old fishermen, that the dropping of depth charges by warships during recent maneuvers affected the fish. Although the swim bladder of the herring was found to be undamaged, the "shell shock" theory is not discounted by fishery experts. (165)

New Method Devised To Test Paint

Recent laboratory experiments show that quick estimates of the corrosion behavior of painted surfaces on iron and steel can be obtained electrochemically. It is reported that corrosion of metal results, in the presence of moisture, from electrochemical action between small adjacent surfaces. Potential differences are set up between these areas, and the potential of the whole surface is the resultant of that of all of the small areas involved. This quantity can be measured readily with reference to a standard electrode. The potentials change as the corrosive action progresses. Experiments have shown that the extent of corrosion can be determined by continuously recording the potential of the metal. (166)

Nation-Wide Inventory of Canned Foods

A nation-wide survey of supplies of canned foods was taken on May 29 by the Department of Commerce. The inventory will provide for the first time complete current information on total and regional supplies of processed foods. The survey included 2,500 canners and 15,000 wholesalers, warehouses of food chains and other wholesale distributors of canned foods. (167)

Apple Growers Enthusiastic Over Dinitro Insecticides

Apple growers have become enthusiastic over the desirable qualities of dinitro insecticides for bud moth, aphids and other insects and have pushed experimenters into giving tentative recommendations after a few seasons testing.

There is a considerable variation in weather over a period of years, and as a result, mixtures that are safe for apple buds under normal climatic conditions may cause injury when trees are affected by drought during the year preceding the application. Modifications of mixtures are necessary as tests are continued.

The standard mixtures recommended in New York for bud moth, rosy aphid, San Jose scale and European red mite contain 3 gallons of lubricating oil and 12 ounces of dinitro-o-cresol, commonly called "cresol", in 100 gallons of water, applied before the buds break. Under certain conditions, however, this mixture may injure the lateral buds and several alternatives are suggested to meet seasonal conditions and for different spray combinations. (168)

Chemical Composition of Oil Sprays Affect Efficiency

Oils have been used in dormant and semi-dormant sprays for years to control pests that overwinter on orchard trees. Present type spray oils are light-grade industrial oils of the general lubricating fraction. They have a viscosity rating of about 100 second Saybolt at 100 degrees Fahrenheit.

It has been assumed generally that oils of the same viscosity are equally effective in insect control. The contrary is shown in recently completed tests. Of 40 100-second oils tested in the laboratory, it was found that there was a graduation in efficiency in the size of the dosage required to kill fruit tree leaf-roller eggs. The variation from the best to the poorest was over 400%.

It was found that leaf-roller eggs can be killed with sprays having an oil content as low as 2% when using certain products, but to secure the same results with other oils it was necessary to increase the concentration to 6, 7, or even 8%.

The explanation was found in variations in the chemical compositions of the oils. (169)

Germ-Killing Lamps

Americans in 1941 consumed more than 120,000,000 pounds of beef made extra tender with the aid of invisible ultraviolet rays generated by germ-killing lamps. These lamps enable packers to use higher temperature and humidity to speed up tenderization without danger of bacteria and mold growth which would ordinarily spoil the meat. (170)

Technical Topics

MENTHOL, used in pharmaceuticals and cigarettes, formerly made from Japanese peppermint and later synthetically from Java citronella, will now be made in the U. S. by a new process starting with coal tar. (172)

SODIUM LACTATE is being used in some food and pharmaceutical processes to replace glycerine, a vital lend-lease chemical. (173)

JAPANESE BEETLE—The grubs of Japanese beetles have been found to succumb to an infectious disease known as "milky disease". Soil infected with this disease in areas which are heavily infested with Japanese beetles is helping to kill off the pest. (174)

LEVULINIC ACID, long a laboratory curiosity, now can be made available commercially by a new process using corn starch. Non toxic, it retards the growth of bacteria and fungi. Already important in pharmaceuticals, it has useful properties in food processing and is a powerful plant growth stimulant. (175)

HYDROGENATED COTTON SEED OIL flakes are used to fortify butter in order to raise its melting point. The result is a butter which resists melting at high temperatures. (176)

GUAVA—Recommended diet for soldiers in Libya is guava, a potent source of Vitamin C. The dried fruit is used. (177)

A NEW SOLVENT—Liquid sulphur dioxide may be a step in new compounds very useful in the preparation of insecticides and other poisons. (178)

SAWDUST has increasing value as an industrial raw material. Oxalic acid, acetic acid, formic acid and methanol can be processed from it. (179)

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Every effort will be made to furnish additional information on these articles. Where such information is not obtainable, we will refer inquirers to the original source of the article. Write to National Can Corp., 110 E. 42nd Street, New York City. Please mention the number at end of article—also name of the magazine you saw it in.

(Advertisement)

Cube root,[3] powd., 5% rotenone, bbls., f.o.b. N.Y.C..lb. .40 - .41
4% rotenone prices are 4c. per lb. less.
Cubeb berries, XX, bgs.....lb. .75 - .85
powd., cs.....lb. .82 - .90
Culver's root, bls.....lb. .28 - .30
Cumin seed, Morocco, bgs.....lb. .19½- .20
Cyprus, bgs.....lb. .17½- .18
Indian, bgs.....lb. .14½- .15
Persian, bgs.....lb. .16 - .16½
Cutch, Borneo, extract, solid, contract, f.o.b. N.Y., duty paid..lb None available.
Cyanamide [3,4], fertilizer grade for mixing purposes, guaranteed 21% N, pulv., bgs., Niagara Falls, Ont., contracts..per unit N.. unit-ton. 1.52½ Nom.
granular, fertilizer grade for mixing purposes, 20.6% N, bulk, Niagara Falls, Ont., per unit N..unit-ton. 1.62½ Nom.
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., wks. lb. .16 - —
Cyclohexanol, 98-100%, dms., wks. lb. .23 - —
Cyclohexanone, 98-100%, dms., works..lb. .32 - —
Cyclopropane, USP, cyls., dlvd. gal. .27 - —

D

Damiana leaves, bls.....lb. .15 - .16
Dandelion root, bls.....lb. .35 - .44
Decanol, normal, tech., 360 lbs., dms., dlvd..lb. .35 - —
Deertongue leaves, bls.....lb. .18 - .19
Degras,[5] common, dom., bbls..lb. .12½ Nom.
neutral, dom., bbls.....lb. .29 - .30
Derris root,[3] powd., 5% rotenone, bbls., f.o.b. N.Y..lb. .35 - —
4% rotenone prices are 4c. per lb. less.
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.25 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.35 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.00 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.80 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.15 - —
Potato, bgs., dom., c.l.....lb. .10 - —
l.c.l., bgs.....lb. .10¼- .11¾
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 9.50 -11.00
Diamyl ether (see Amyl Ether).
Phthalate, dms., c.l., dlvd...lb. .22 - —
l.c.l., dlvd.....lb. .22½- —
tanks, dlvd.....lb. .21 - —
Diamyl sulphide, l.c.l., dms., works..lb. .25 - —
Diamylamine, dms., c.l., works, lb. .61 - —
l.c.l., works.....lb. .64 - —
Diamylene, dms., c.l., works..lb. .105 - —
l.c.l., works.....lb. .112 - —
tanks, works.....lb. .095 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .17 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .18 - —
l.c.l. .....lb. .21 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst..ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard..ton.55.00 -59.00
l.c.l., ex whse.....ton.85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
Import, Algerian, bgs., c.l., c.l.f. ton. No prices
Mexican, white, bgs., c.l., c.l.f. lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutylamine, dms., c.l., works.. lb. .61 - —
l.c.l. .....lb. .64 - —
Dibutyl ether (see Ether, butyl).
phthalate,[3] dms., c.l., dlvd..lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
cns., works.....lb. .23½- —
Sebacetate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .92 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14 - —
Dichloropentanes, dms., c.l., works..lb. .037 - —
l.c.l. .....lb. .04½- —
tanks .....lb. .03 - —
Diethanolamine, dms., c.l., works. lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works. lb. .76 - —
l.c.l., works.....lb. .81 - —
Diethylamino ethanol, l.c.l., dms., works, frt. alld. E. of Miss. River..lb. .35 - —
Diethylaniline, dms.....lb. .40 - —
Diethyl carbonate, com'l, dms.. lb. .28 - —
refd., 99%, dms.....lb. .30 - —
Oxalate, dms., l.c.l., dlvd....lb. .33 - —
Phthalate, dms., c.l., dlvd..lb. .22 - —
l.c.l. .....lb. .22½- —
tanks .....lb. .21 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethyleneglycol, dms., c.l., works lb. .14 - —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works.lb. .32½- .34½
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .50 - .55
Diglycol, laurate, dms.....lb. .31 - .33
Diglycol, oleate, light, bbls., c.l. lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —

Di-isobutyl ketone, dms., works	lb.	.19	—
Dillseed, cleaned, bgs	lb.	.08	.08½
Dimethyl phthalate, dms., c.l., dlvd.	lb.	.20	—
l.c.l., dlvd	lb.	.20½	—
tanks, dlvd	lb.	.19	—
Dimethylamine, dms., c.l., dlvd.	lb.	.85	—
l.c.l., dlvd	lb.	.90	—
Dimethylaniline, dms., c.l.	lb.	.23	—
l.c.l., dms	lb.	.24	—
Dinitrobenzene, bbls., 80° min.	lb.	.18	—
Dinitrochlorobenzene, dms.	lb.	.14	—
Dinitronaphthalene, kgs.	lb.	.35	.38
Dinitroprenol, bbls.	lb.	.23	—
Dinitrotoluene, dms	lb.	.18	—
oily, dms	lb.	.06	—
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd.	lb.	.44	—
600-1,950 lbs., dlvd	lb.	.46	—
150-450 lbs., dlvd	lb.	.47	—
Dioxan, dms., c.l., frt. alld.	lb.	.20	—
l.c.l., same basis	lb.	.21	—
tanks, same basis	lb.	.19	—
Dip oil (see Tar acid oil).			
Dipentene, dms	gal.	.59	.61
tanks	gal.	.51	—
dest., dist., dms	gal.	.55	.58
tanks	gal.	.48	—
Diphenyl, bbls., c.l., works	lb.	.15	—
l.c.l., works	lb.	.16	.20
Oxide, perfume grade, dms.	lb.	.43	.45
cns.	lb.	.48	.50
Diphenylamine,[6] bbls.	lb.	.23	—
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd.	lb.	.35	—
600-1,950 lbs., dlvd	lb.	.36	—
150-450 lbs., dlvd	lb.	.37	—
Dimethylethyl carbinol (see Carbinol).			
Divi-Divi, Colombian	ton.	80.00	—
Venezuelan	ton.	80.00	—
Doggrass root, imp. cut, NF, bls.,	lb.	.50	1.50
domestic, bls	lb.	.36	.45
Dogwood bark, Jamaica, bls.	lb.	.07	.09
Dovers powder, USP, cns.	lb.	2.75	2.80
Dragon's blood, reeds, cs.	lb.	1.00	1.12
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—			
Blue, FD&C blue, No. 1, cns.	lb.	12.50	—
FD&C blue, No. 2, cans	lb.	13.50	—
	lb.	17.50	—
Green FD&C green, No. 2, cns.			
FD&C green, No. 3, cns	lb.	27.50	—
FD&C green, No. 1, cns	lb.	13.50	—
Orange, FD&C orange, No. 1, cns.	lb.	2.90	—
FD&C orange, No. 2, cns.	lb.	3.65	—
Red, FD&C red, No. 1, cns.	lb.	6.00	—
FD&C red, No. 2, cns.	lb.	3.15	—
FD&C red, No. 3, cns.	lb.	17.50	—
FD&C red, No. 4, cns.	lb.	5.75	—
FD&C red, No. 32, cns.	lb.	4.15	—
drugs and cosmetics:—			
Yellow, FD&C yellow, No. 1, cns.	lb.	8.50	—
FD&C yellow, No. 3, cns.	lb.	2.65	—
FD&C yellow, No. 4, cns.	lb.	2.65	—
FD&C yellow, No. 5, cns.	lb.	3.15	—
FD&C yellow, No. 6, cns.	lb.	3.15	—
Dyes, coaltar (certified colors), for drugs and cosmetics:—			
Black, D&C black, No. 1	lb.	8.35	—
Blue, D&C blue, No. 6	lb.	13.50	—
Brown, D&C brown, No. 1, cns.,	lb.	12.35	—
Green, D&C green, No. 5, cns.,	lb.	12.35	—
D&C green, No. 6, cns.	lb.	12.35	—
Orange, D&C orange, No. 3, cns.	lb.	8.35	—
D&C orange, No. 4, cns.	lb.	15.35	—
D&C orange, No. 10, cns.	lb.	15.35	—
D&C orange, No. 11, cns.	lb.	17.35	—
Red, D&C red, No. 8	lb.	6.00	—
D&C red, No. 17	lb.	8.35	—
D&C red, No. 18	lb.	18.35	—
D&C red, No. 19, cns.	lb.	15.35	—
D&C red, No. 22, cns.	lb.	8.35	—
D&C red, No. 33	lb.	15.35	—
D&C red, No. 37, cns.	lb.	12.35	—
Yellow, D&C yellow, No. 7, cns.	lb.	8.35	—
D&C yellow, No. 3, cns.	lb.	8.35	—
D&C yellow, No. 11	lb.	10.35	—
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—			
Blue, Ext. D&C blue, No. 1, cns.	lb.	12.35	—
Green, Ext. D&C green, No. 1, cns.	lb.	12.35	—
Red, Ext. D&C red, No. 1, cns.	lb.	10.35	—
Ext. D&C red, No. 3	lb.	21.85	—
Ext. D&C red, No. 8	lb.	7.85	—
Ext. D&C red, No. 10, cns.	lb.	12.35	—
Ext. D&C red, No. 13, cns.	lb.	12.35	—
Yellow, Ext. D&C yellow, No. 1, cns.	lb.	8.35	—
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—			
36 Chrome yellow 2G	lb.	.65	.70
40 Chrome yellow R	lb.	.50	1.00
53 Victoria violet	lb.	.80	1.00
165 Lake red C	lb.	.70	.80
170 Fast red A	lb.	.56	.60
180 Fast red VR	lb.	1.50	1.60
189 Lake red R, paste	lb.	.85	.90
189 Lake red R, powd	lb.	3.00	3.10
Sulphur tan	lb.	.30	.50
202 Chrome blue black U	lb.	.35	.42
204 Chrome black A	lb.	.42	.45
208 Fast red blue R	lb.	.75	2.00
216 Chrome red B	lb.	1.75	2.00
262 Cloth red 2B	lb.	.60	.80
289 Fast cyanin 5R	lb.	.90	1.00
299 Chrome black F	lb.	.85	.88
307 Fast cyanin black B	lb.	.80	.85
326 Direct cast scarlet	lb.	2.00	2.25
304 Paper yellow	lb.	.83	.90
365 Chrysophenin G	lb.	.58	.70
394 Direct violet N	lb.	.80	.85
382 Direct scarlet B	lb.	1.15	1.20
387 Direct violet B	lb.	1.00	1.30
401 Developed black BHN,	lb.	.45	.60
406 Direct blue 2B	lb.	.66	.70
415 Direct orange B	lb.	.60	.70
419 Direct fast red F	lb.	.70	.73
420 Direct brown M	lb.	.55	.57
443 Benzo purpurin 4B	lb.	.65	.67
495 Benzo purpurin 10B	lb.	.49	.50
502 Direct ascrin G	lb.	.75	.80
512 Direct blue RD	lb.	.80	1.00
518 Direct pure blue 6B	lb.	1.20	1.30
520 Direct pure blue	lb.	.50	1.00
529 Direct fast black FF	lb.	.55	1.00
581 Direct black EW	lb.	.50	.54
582 Direct black RX	lb.	.35	.45
592 Direct green B	lb.	.50	.55
594 Direct green G	lb.	.50	.55
696 Direct brown 3GO	lb.	.85	1.00
620 Direct yellow R	lb.	1.25	1.50
696 Acid violet	lb.	1.00	3.00
812 Primulin	lb.	.70	.73
814 Direct fast yellow	lb.	2.00	2.25
845 Nigrosin (water soluble),	lb.	.35	.50
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—			
1177 Indigo, 20 p.c. paste	lb.	.15	.18
Benzo fast black L.	lb.	.90	1.00
Sulphur black	lb.	.20	.25
Sulphur blue	lb.	.45	1.00
Sulphur brown	lb.	.25	.50
Sulphur maroon	lb.	.40	—
Sulphur olive	lb.	.25	.54
Sulphur yellow	lb.	.30	.50
Zambesi black	lb.	.75	.80
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).			
Black:—			
865 Nigrosin derivatives	lb.	.36	.44
Blue:—			
1075 Alizarin astrol base	lb.	15.00	—
1078 Alizarin cyanin green base	lb.	6.00	—
Brown:—			
Brown	lb.	1.15	—
Green:—			
1078 Alizarin cyanin green	lb.	5.00	—
Green	lb.	.75	—
Orange:—			
24 Sudan I	lb.	.75	—
Red shade	lb.	.75	—
Red:—			
75 Sudan II	lb.	1.05	—
258 Sudan IV	lb.	.95	—
749 Rhodamine B (oil pink)	lb.	2.50	—
1080 Anthraquinone violet base	lb.	6.00	—
680 Oil violet	lb.	.50	—
Yellow:—			
15 Amidoazobenzene yellow	lb.	.90	—
17 Amidoazotoluene yellow.	lb.	.75	—
61 Yellow OB	lb.	1.40	2.00
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).			
Black:—			
246 Naphthol blue black S	lb.	.50	—
873 Methylene gray	lb.	1.50	—
729 Victoria blue B	lb.	1.85	—
861 Indulin	lb.	.87	—
909 New blue R	lb.	1.30	—
923 Methylene blue	lb.	1.00	—
1054 Alizarin saphirol B	lb.	1.90	—
1180 Indigotin Ia	lb.	.85	—
Blue:—			
714 Patent blue A	lb.	1.05	1.10
Brown:—			
214 Resorcin brown Y	lb.	.65	—
235 Resorcin dark brown R.	lb.	.66	—
231 Bismarck brown G	lb.	.47	.62
332 Bismarck brown R	lb.	.47	.62
766 Phosphin	lb.	4.65	—
Green:—			
5 Naphthol green B	lb.	1.00	—
657 Malachite green	lb.	1.35	—
662 Brilliant green	lb.	2.00	—
666 Guinea green B	lb.	1.15	—
737 Wool green S	lb.	.58	—
924 Methylene green B	lb.	1.55	—
1078 Alizarin cyanin green	lb.	2.00	—
Orange:—			
10 Chrysoidin G	lb.	.44	—
21 Chrysoidin R	lb.	.41	—
27 Orange G	lb.	.50	—
151 Orange Y	lb.	.31	.33
161 Orange R	lb.	.34	—
31 Amidonaphthol red G	lb.	.42	—
37 Amidonaphthol red 6B.	lb.	.68	—
Red:—			
79 Popceau R	lb.	.48	—
88 Fast red B	lb.	1.05	—
176 Fast red A	lb.	.54	—
179 Azorubin	lb.	.60	—
183 Crocein scarlet 3BX	lb.	.72	.75
185 Cochineal red A	lb.	.60	—
252 Brilliant crosein M	lb.	.68	—
677 Fuchsin	lb.	2.10	—
749 Rhodamine B	lb.	3.50	—
752 Rhodamine 6G	lb.	4.50	—
768 Eosin G	lb.	1.50	—
841 Safranin	lb.	1.45	—
Violet:—			
680 Methyl violet B	lb.	.75	—
681 Crystal violet C	lb.	1.75	—
695 Acid violet 4BN	lb.	.88	—
Yellow:—			
10 Naphthol yellow S	lb.	.88	—
138 Metanil yellow	lb.	.56	.58
636 Fast light yellow	lb.	1.25	—
639 Xylene light yellow	lb.	1.15	—
640 Tartrazin	lb.	.80	—
655 Auramine	lb.	1.27	—
Dyes, coaltar, for stains, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).			
Black:—			
864 Nigrosin	lb.	.36	.44
Blue:—			
860 Indulin	lb.	.60	.70
Brown:—			
331 Bismarck brown	lb.	1.50	—
Green:—			
617 Malachite green base	lb.	2.00	—
Orange:—			
20 Chrysoilin G	lb.	.93	—
21 Chrysoidin R	lb.	.96	—
Red:—			
677 Fuchsin, magenta, base,	lb.	7.25	—
749 Rhodamine B	lb.	4.75	—
Yellow:—			
67 Amidoazotoluene yellow.	lb.	.75	—
655 Auramine	lb.	2.00	—
800 Chinolin yellow SS	lb.	2.00	—
Violet:—			
680 Methyl violet base	lb.	.85	—
Dyes, natural (see name of article).			

E

Echinacea root, bls.	lb.	.19	.28
Egg albumen (see Albumen).			
yolk, dried, dom., bbls.	lb.	.87	.92
imported	lb.	.87	.92
Elder flowers, bright, bls.	lb.	.80	.92
Elecampane root, bls.	lb.	.18	.19
Elm bark, grinding, bls.	lb.	.14	.15
powd., bbls., bxs.	lb.	.20	.21
select, bndls.	lb.	.19	.20
Emetine hydrochloride, bots.	oz.	26.00	34.50
Ephedra, bls.	lb.	.21	.22
Ephedrine, natural, USP, anhydrous, bots.	oz.	1.15	1.65
hydrochloride or sulphate, tins.	oz.	.95	1.45
synth., USP, hemihydrate, bots., 100 ozs. or more	oz.	.65	—
anhyd., bots., 100 ozs. or more	oz.	.65	—
hydrochloride, tins, 100 ozs. or more	oz.	.50	—
Sulphate, cryst., tins, 100 ozs. or more	oz.	.48	—
Epsom salt, tech., bgs.	100 lbs.	1.80	—
bbls.	100 lbs.	1.90	—

Epsom salt prices on technical and USP are on the basis of freight equalized with Baltimore, Carteret, N. J., Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

Epsom salt, USP, cryst., dom., bgs., c.l.	100 lbs.	2.00	—
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.25	—
smaller lots	100 lbs.	2.50	—
bbls., c.l.	100 lbs.	2.10	—
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.35	—
smaller lots	100 lbs.	2.60	—
kgs., c.l.	100 lbs.	2.35	—
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.60	—
smaller lots	100 lbs.	2.85	—
dried, bgs., l.c.l.	lb.	.08	.09
Ergot, USP, cns., dms.	lb.	1.85	1.95
Eserine, bots.	oz.	No prices	
Salicylate, bots.	oz.	41.00	48.00
Sulphate, bots.	oz.	41.00	48.00
Ether, acetic (see Ethyl acetate).			
Amyl (see Amyl, ether).			
Butyl, l.c.l., dlvd.	lb.	.30	—
Ethyl (see Ether, sulphuric).			
Nitrous, conc., bots., 100 lbs.,	lb.	.93	1.10
Sulphuric, conc., 310-lb. dms.	lb.	.11	—
27-lb. dms.	lb.	.15½	.16
USP, anesthesia, hospitals, 1-lb. cns.	lb.	.60	.61
Synth., dms., c.l., works.	lb.	.14½	—
l.c.l., works	lb.	.15½	—
tanks	lb.	.12½	—
Ethyl acetate,[3] 85-90%, dms., c.l., frt. alld.	lb.	.12	.13
l.c.l., frt. alld.	lb.	.12½	.13½
tanks, frt. alld.	lb.	.11	.12
95-98%, dms., c.l., frt. alld.	lb.	.12¾	.13¼
l.c.l., frt. alld.	lb.	.12¾	.13¼
tanks, frt. alld.	lb.	.11¼	.12¼
NF, 390-lb. dms.	lb.	.14½	.15½
Acetoacetate, dms., c.l., works.	lb.	.37½	—
l.c.l., frt. alld.	lb.	.38	—
Benzoate, bots.	lb.	1.00	1.25
Bromide, tech., dms.	lb.	.50	.55
Caproate, cns.	lb.	10.00	11.00
Chloride, dms.	lb.	.18	.20
Cinnamate, cns.	lb.	3.50	3.75
Formate, cns., dms.	lb.	.27½	—
Iodide, bots.	lb.	3.50	3.60
Lactate, 55-gal. dms., works,	lb.	.33½	—
5-gal. dms., works.	lb.	.37½	.39½
Oenanthate, dms.	lb.	.75	1.25
Oxalate, dms., frt. alld.	lb.	.33	—
Oxyhydrate, bots.	gal.	7.50	8.00
Silicate, l.c.l., dms., works.	lb.	.77	—
Vanillin, 25-lb. lots, cns.	lb.	5.25	—
5-lb. lots, cns.	lb.	5.50	—
1-lb. lots, cns.	lb.	5.40	—
lbs. or more, works.	lb.	.50	—
less than 5,000 lbs., same basis.	lb.	.52	.60
Ethylene, dichloride,[3] dms., c.l., works, E. of Rockies, frt. alld.	lb.	.0742-	—
West of Rockies, same basis.	lb.	.0792-	—
l.c.l., works, E. of Rockies, frt. alld.	lb.	.0795-	—
West of Rockies, same basis.	lb.	.0841-	—
Ethylcellulose[3] std. cans, 5,000	lb.	.45	.47½
Ethyleneglycol, dms., c.l.	lb.	.15½-	—
l.c.l.	lb.	.16½-	.19½
tanks	lb.	.14½-	—
Monobutylether, dms., c.l., wks.	lb.	.16½-	—
l.c.l., works	lb.	.17½-	.20½
tanks, works	lb.	.15½-	—
Monoethylether, dms., c.l., wks.	lb.	.14½-	—
l.c.l., works	lb.	.15½-	.16½
tanks, works	lb.	.13½-	—
Monoethylether, acetate, dms., c.l., works.	lb.	.11½-	—
l.c.l., dms.	lb.	.12½-	.15½
tanks, works	lb.	.10½-	—
Monomethylether, dms., c.l., works.	lb.	.15½-	—
l.c.l., works	lb.	.16½-	—
tanks, works	lb.	.14½-	—
Ethylidinanilin, dms.	lb.	.45	.47½
Eucalyptol, cns., dms.	lb.	2.00	2.50
Eucalyptus leaves, bls.	lb.	.10	.13
Eugenol, cns., dms.	lb.	2.75	2.80
Euphorbia, bls.	lb.	.12	.13

F

Feldspar, enamel, 100 mesh, bulk, works.	ton.	14.00	17.50
l.c.l., minimum 2 tons.	ton.	17.00	20.50
glass, 20 mesh, bulk, works.	ton.	9.75	12.25
l.c.l., minimum 2 tons.	ton.	12.75	16.25
pottery, bulk, Me., works.	ton.	17.00	19.00
N.C., works.	ton.	17.00	19.00
l.c.l., minimum 2 tons.	ton.	20.00	22.00
Fennel seed, Argentine, bgs.	lb.	.14	.14¼
Indian, bgs.	lb.	.08	.08½
Fenugreek, seed, bgs.	lb.	.09	.09½
Ferric, sulphate, anhyd., c.l., works.	ton.	35.00	—
l.c.l.	ton.	40.00	—
Film scrap, colors, dark, cs., 1,000 lbs. or over, works.	lb.	.13½	—
smaller lots, works.	lb.	.15	—
light, cs., 1,000 lbs. or over, works.	lb.	.13½	—
smaller lots, works.	lb.	.16	—
water white, cs., 1,000 lbs. or over, works.	lb.	.14½	—
smaller lots, works.	lb.	.17	—
Fir, balsam, Canada, cns.	gal.	18.00	19.00
Oregon, bbls.	gal.	1.85	2.25
Fish berries, bgs.	lb.	.24	.25
Fish[1] scrap, menhaden, new catch, if and when produced, dried 60% protein, bulk, f.o.b. fish factories	ton.	66.50	—
ground meal, bgs., f.o.b. fish factories.	ton.	72.50	—
Acid scrap, 6-7% ammon., 3% a.p.a., bulk, Carolina points.	unit-ton.	4.25	& .50
Flake white, dom., bbls.	lb.	.09	—
kegs	lb.	.11	—
Fleaseed, French, black, bgs.	lb.	.65	.70
Indian, blonde, bgs.	lb.	.15	.17
Fluorspar, dom.,[1] No. 1 ground, 95-98%, bulk, c.l., f.o.b. mines.	net ton.	32.00	—
bgs., c.l., f.o.b. mines.	ton.	34.00	—
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines.	net ton.	24.00	—
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines.	net ton.	24.00	—
imported, 85.5, duty paid.	short ton.	26.00	—
Formaldehyde,[1,2,3] bbls., c.l., works.	lb.	.0550-	.0575
l.c.l., works.	lb.	.06	- .0625
dms., c.l., works.	lb.	.0615-	.0640
l.c.l., works.	lb.	.0565-	.0590
tanks	lb.	.04	- .04¼
Formaldehyde prices are under 4¼c. to 9½c. ceiling.			
Fringetree bark, bls.	lb.	.30	- .40
Fullers earth, dom., powdered, bgs., c.l., f.o.b. Fla., Ga. mines.	ton.	8.50	-15.00
f.o.b. Tex. mines.	ton.	12.50	—
import, Eng., bgs., c.l., dlvd. N. Y.	ton.	30.00	-40.00
Fumitory herb, bls.	lb.	.58	- .60
Furfural, ref., dms., c.l., works,	lb.	.15	—
l.c.l., works	lb.	.17½	- .25
tech., dms., contracts, 150,000 lbs.	lb.	.10	—
tanks, works	lb.	.09	—
dms., c.l., works	lb.	.12½	—
l.c.l., works	lb.	.15	- .20
Fusel oil, refd., dms., incl., dlvd.,	lb.	.18½	—
Fustic, cryst., bgs., No. 1	lb.	.32	—
No. 2	lb.	.30	—
No. 3	lb.	.28	—
extract, bbls., No. 1	lb.	.16	—
No. 2	lb.	.15	—
No. 3	lb.	.12½	—

G

G salt, bbls	lb.	.45	—
Galangal root, bls.	lb.	.28	- .30
Gambier, common, cases	lb.	No price	
plantation, cases	lb.	No price	
cubes, Singapore, cases	lb.	.13	Nom.
extract, bbls.	lb.	.09½	- .12
Gasoline[1] at refinery:—			
Bayonne, US motor, 65 octane, tanks, ex tax.	gal.	.1145-	—
72-74 octane, ex tax.	gal.	.117 -	—
California 78 octane at refineries, tanks.	gal.	.075-	—
Gulf Coast, US motor, 72-74 octane, tanks, ex tax.	gal.	.05½-	.06
Louisiana-Arkansas, US motor, 72-74 octane, leaded, tanks, car lots, ex tax.	gal.	.05625-	—
Group 3, 72-74 octane, tanks.	gal.	.0575-	—
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax.	gal.	.05625-	.06
natural, 26-70, tanks.	gal.	.02375-	—
Gelatin, silver, cs.	lb.	.90	- .97
Geisemium root, bls.	lb.	.15	- .19
Gentian root, bls.	lb.	.65	- .68
grd., bbls., bxs.	lb.	.67	- .71
powd., bbls., bxs.	lb.	.69	- .72
Geraniol, 92-96%, cns., dms.	lb.	3.50	- 4.50
Ginger, African, No. 1, bls.	lb.	.45	Nom.
Calicut, bgs.	lb.	.26½	- .27
Cochin, unbleached, bgs.	lb.	.26	- .27
Jamaica, No. 1, bgs.	lb.	.45	- .47
medium, bgs.	lb.	.42	- .43
grinding, bright, bgs.	lb.	.42½	- .43
Ginseng root, wild Southern, cs.	lb.	12.00	-13.00
Glauber's salt, anhyd. (see Soda Sulphate).			
cryst., dom., bgs., bbls., c.l., works.	100 lbs.	1.05	- 1.20
5 tons or over, works.	100 lbs.	1.15	- 1.35
less than 5 tons, works.	100 lbs.	1.25	- 1.45
import, bgs.	100 lbs.	No prices	
Glue, bone, calcimine type, 24 millipoise, 36 jellygrams, bgs., c.l., dlvd.			
East of Midwest.	lb.	.16	—
l.c.l.	lb.	.17	—
30/58, c.l.	lb.	.15½	—
l.c.l.	lb.	.16½	—
58/82, c.l.	lb.	.17	—
58 millepoise, 82 jellygrams, bgs., l.c.l.	lb.	.18	—
82/108, c.l.	lb.	.18½	—
l.c.l.	lb.	.19	—
hide,[1] 100-121 (jelly test in grams), bgs., c.l., dlvd.	lb.	.14	—
bbls., c.l., dlvd.	lb.	.14½	—
122-140, bgs., c.l., dlvd.	lb.	.15	—
bbls., c.l., dlvd.	lb.	.15½	—
150-177, bgs., c.l., dlvd.	lb.	.16	—
bbls., c.l., dlvd.	lb.	.16½	—
178-206, bgs., c.l., dlvd.	lb.	.17	—
bbls., c.l., dlvd.	lb.	.17½	—
207-236, bgs., c.l., dlvd.	lb.	.18	—
bbls., c.l., dlvd.	lb.	.18½	—
237-266, bgs., c.l., dlvd.	lb.	.19	—
bbls., c.l., dlvd.	lb.	.19½	—
267-298, bgs., c.l., dlvd.	lb.	.20	—
bbls., c.l., dlvd.	lb.	.20½	—
299-330, bgs., c.l., dlvd.	lb.	.21	—
bbls., c.l., dlvd.	lb.	.21½	—
331-362, bgs., c.l., dlvd.	lb.	.22	—
bbls., c.l., dlvd.	lb.	.22½	—
363-394, bgs., c.l., dlvd.	lb.	.23	—
bbls., c.l., dlvd.	lb.	.23½	—
395-427, bgs., c.l., dlvd.	lb.	.24	—
bbls., c.l., dlvd.	lb.	.24½	—
428-460, bgs., c.l., dlvd.	lb.	.25	—
bbls., c.l., dlvd.	lb.	.25½	—
461-494, bgs., c.l., dlvd.	lb.	.26	—
bbls., c.l., dlvd.	lb.	.26½	—
495-529, bgs., c.l., dlvd.	lb.	.27	—
bbls., c.l., dlvd.	lb.	.27½	—

Hide glue transportation charges in excess of 75c. per hundredweight may be added. Prices are those established for sale by producers; prices for glue sold by jobbers are 2c. to 3½c. per pound higher according to grade. Less carlot prices are 1c. per pound higher than carlot. Maximum prices for chrome glue and coney glue (jelly test in grams 267 or higher) in carload lots are 2c. per pound higher than the prices established above.

Glycerin[1], Zones A and C, C.P., (B.P. 99½), drums, carlots,	dlvd.	lb.	.18¾- —
less carlots, dlvd.	lb.	.19¼-	—
tanks, dlvd.	lb.	.18¼-	—
C.P. (USP 95%), drums, carlots,	dlvd.	lb.	.18¼- —
less carlots, dlvd.	lb.	.18¾-	—
tanks, dlvd.	lb.	.18	- —
dynamite, high gravity, yellow distilled, drums, carlots,	dlvd.	lb.	.18¼- —
less carlots, dlvd.	lb.	.18¾-	—
tanks, dlvd.	lb.	.18	- —
soaplye, 80%, drums, carlots,	dlvd.	lb.	.11¼- —
less carlots, dlvd.	lb.	.11¼-	—
tanks, dlvd.	lb.	.11¼-	—
saponification, 88%, to refiners, drums, c.l., dlvd.	lb.	.12¾-	—
less carlots, dlvd.	lb.	.12¾-	—
tanks, dlvd.	lb.	.12¾-	—
saponification, 82%, individual users, dms., c.l., f.o.b. point of manufacture.	lb.	.13¾-	—
less car lots, same basis.	lb.	.14¾-	—
tanks, same basis.	lb.	.12¾-	—

Glycerin prices in Zone B are 2c. higher.

Zone A means all points east of and including N. Dak., S. Dak., Neb., Kansas, Omaha, Texas, Laramie County, Wyo.; Col., east of but not including the following counties:—Jackson, Grand, Gilpin, Jefferson, Douglass, Teller, Fremont, Custer, Huerfano, and Costilla.

Zone B means the territory between Zones A and C, as follows:—Washington, east of and including the following counties:—Okanogan, Chelan, Kittitas, Yakima, Klicjitat; Ore., east of and including the following counties:—Hood River, Wasco, Jefferson, Deschutes, Klamatch; Nev., Ariz., New Mex., that part of Col. west of and including those counties mentioned above; Utah, Wyo., excepting Laramie County; Idaho and Mont.

Zone C means the territory west of Zone B.

Glycine, medicinal, bbls., tins.	lb.	1.70	- 2.00
Glycol boriborate, dms.	lb.	.22	—
Phthalate, dms.	lb.	.33	—
Stearate, dms.	lb.	.26	—

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U.S.I. CHEMICAL NEWS

July ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1942

New Use Discovered For Ethyl Formate In Treating Yarns

Improves Extensibility of Cellulose-Derived Filaments

SPONDON, England — What is believed to be a hitherto unknown aspect of ethyl formate's utility is revealed in a patent recently granted to two inventors here. This chemical, previously known chiefly as a fumigant and a reagent in organic synthesis, has now been found to be markedly effective in increasing the extensibility of threads, yarns, or fabrics made from organic derivatives of cellulose.

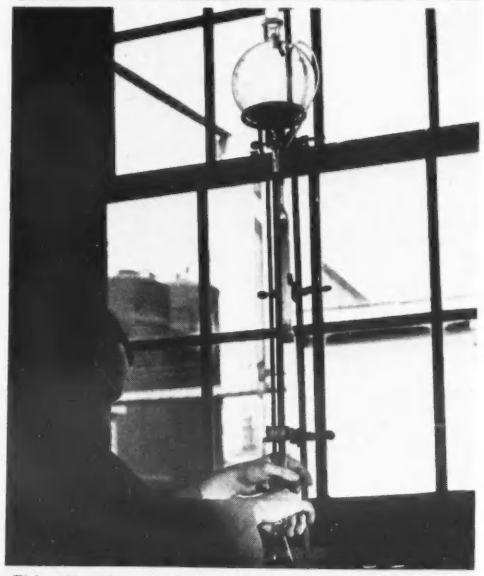
As a typical instance, the patent describes a treatment for dry-spun cellulose acetate yarn which has been stretched in wet steam to 1000% of its original length. The yarn is immersed for ten minutes at 15° C. in a bath of 76% by volume of ethyl formate and 24% of kerosene. After washing and drying, the product is found to be uniformly shrunk and to have improved extensibility, it is reported.

"DRY-ICE" Aids Control Of Reaction Temperatures

JERSEY CITY, N. J. — A novel application of "DRY-ICE"* in controlling the temperature under which organic reactions proceed has been suggested here.

In many reactions, particularly those involving diazotization, temperature control is important for obtaining satisfactory yields, it is pointed out in an article in *The Chemist Analyst*. In reactions of this type, it has been found that additions of "DRY-ICE" are effective in maintaining the desired low temperatures. The inert character of carbon dioxide and the fact that no final concentration change is involved are said to be important advantages.

* Pure Carbonic, Incorporated, sells "DRY-ICE" manufactured by U.S.I.



This titration equipment is used in the U.S.I. laboratories for determining minute quantities of water by means of the Karl Fischer reagent.

Many Novel Reactions Possible With Ethyl Sodium Oxalacetate

Stability of U.S.I. Intermediate is Important Factor in Its Potential Utility in Varied Fields of Chemical Synthesis

While the interesting possibilities for organic synthesis offered by the ethyl ester of oxalacetic ester have been recognized by many chemists, exploration of these potentialities has been hampered by the relative instability of the ester. This difficulty has been overcome by U.S.I.'s production of ethyl sodium oxalacetate. This chemical, the sodium derivative of ethyl oxalacetate, is entirely suitable for most applications in which the pure ester might be used, and has the added advantage of relatively high stability. As a result, it is now possible to exploit the full utility of this unusual chemical.

Ethyl sodium oxalacetate is a fine granular powder, light yellow in color, and, as manufactured by U.S.I., attains a purity of not less than 92%. Its stability is shown by the fact that when a sample previously dried at 100° C. for 1 hour is kept at 100° C. for 24 hours, the loss of weight is not more than 3%.

Up to the present, ethyl sodium oxalacetate has found its chief industrial applications as an intermediate in the manufacture of pharmaceuticals and dyestuffs, particularly in the tartrazine and other pyrazolone groups. The structure of this compound, however, suggests the possibility of many other organic couplings, which may open the way for whole new lines of products.

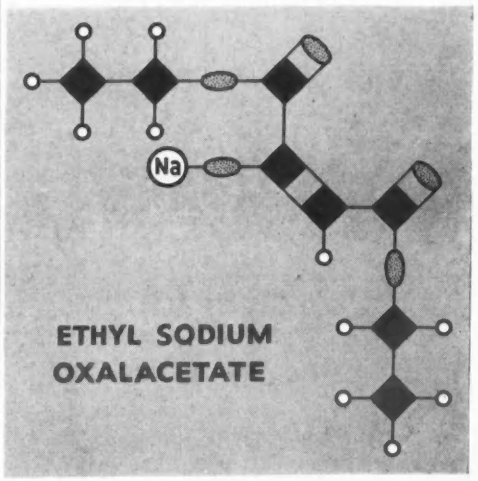
Typical Reactions

While much of the work of investigators has been performed with pure oxalacetic ester, ethyl sodium oxalacetate may be employed with equal success in most of these reactions. Among the typical reactions of oxalacetic ester which may suggest profitable lines of endeavor with the more stable sodium derivative, the following may be listed:

1. Ammonia and many of the primary and secondary amines add on to oxalacetic ester. The resulting products may be converted to the amines of oxalocitric acid lactone ester.

2. If aldehydes are present when amines of certain types are condensed with oxalacetic

(*Continued on next page*)



The molecular structure of ethyl sodium oxalacetate is shown in this diagram, in which hydrogen atoms are represented by circles, oxygen by ellipses, and carbon by squares. The sodium atom is represented by the large circle.

W. O. Griffen Named General Production Manager of U.S.I.

Mr. W. O. Griffen, formerly Superintendent of the Curtis Bay Plant of U.S.I., has been appointed General Production Manager. He will make his headquarters at the company's Executive Offices in New York, and will assume the duties previously performed by the late A. A. Backus.

W. O. Griffen

Mr. Griffen has been associated with the U.S.I. organization since 1917.

Isolate Enzyme from Pineapple Peels, Cores

HONOLULU, T. H. — Bromelin has been successfully isolated from the peels and cores of pineapples by a procedure developed here.

Technique is said to consist of pressing the juice from the peels and cores at a stage of manufacture at which the juice is of little commercial value to the canner. The bromelin is precipitated from the juice by the addition of ethanol, which can be recovered for use with fresh batches of juice.

Bromelin is an enzyme which, like certain other members of this group, has the property of breaking down meat protein and thus making tough cuts more tender.

Films and Threads Formed From Ethylene Polymers

NORWICH, England — How films, tubes, and threads can be produced from ethylene polymers by precipitating them from solutions is described in a U.S. patent granted to two inventors here.

As a typical instance of the method, the patent cites the following procedure. An ethylene polymer is dissolved in xylene, and the solution is extruded under pressure into a bath, which may consist of butanol or of a mixture of normal amyl alcohol and butyl phthalate. A viscous thread is produced, which may be drawn off by means of a reel.

Testosterone Ethyl Carbonate

Testosterone ethyl carbonate can be produced by reacting testosterone with ethyl chloroformate, it is revealed in a recently issued Swiss patent.

Ethyl chloroformate is produced by U.S.I.

ADVERTISEMENT—*This entire page is a paid advertisement.*

July ★ **U.S.I. CHEMICAL NEWS** ★ 1942

Obtain Better Yield Of Alpha-Amino Acids With New Procedure

Recently reported investigations of methods for the synthesis of alpha-amino acids indicate that purer compounds and higher yields can be obtained by modification of the Bouveault procedure involving the nitrosation of acetoacetic esters to form alpha-oximino acids.

Method of Procedure

In the modified procedure, appropriately substituted acetoacetic esters were dissolved in 85% sulfuric acid and treated at temperatures below 0° C. with an alkyl nitrite. Alpha-oximino esters were produced by these reactions. Reduction of the oximino acids (or esters) to the corresponding primary amino acids (or esters) was carried out using hydrogen at 10 atmospheres pressure with palladinized charcoal as catalyst. This hydrogenation proceeded satisfactorily and the amino acids were isolated in good yields. Typical equations for the reactions are shown in the box at the bottom of this column.

Acids Synthesized

Alanine, alpha-aminobutyric acid, norvaline, norleucine, isoleucine, aspartic acid, phenylalanine, and O-methyltyrosine were synthesized in these studies. The O-methyltyrosine was demethylated and converted into tyrosine. It appears likely, as a result of these investigations, that any monosubstituted acetoacetic ester may be successfully converted into an alpha-amino acid by an application of these reactions.

The substituted acetoacetic esters may be conveniently prepared by familiar methods from ethyl acetoacetate, a U.S.I. product of which adequate supplies are available at the present time, though they may be subject to future limitation.

Butanol Now Under Complete Allocation

Effective July 1, butanol was placed under complete allocation control. Under the terms of an order issued by the War Production Board, purchasers will apply for allocations on Form PD-505. Deliveries to persons using less than 54 gallons a month are permitted under certain conditions without allocation.

Ethyl Sodium Oxalacetate

(*Continued from previous page*)

ester, dioxopyrrolidine carboxylic acids are formed.

3. Although urea is a primary amine, its condensation with ethyl oxalacetate is of interest because both amino groups take part in the reaction; the product being the ethyl uracil-4-carboxylate. The free acid itself melts at 347° C. and is so stable that up to 185° to 205° C., 20% sulfuric acid has no effect on it, while evaporation to dryness with fuming nitric acid leaves it unchanged. This extreme stability may indicate some potential commercial use.

4. In the presence of pyridine, ethyl oxalacetate and ethyl cyanoacetate form triethyl cyanoaconitate.

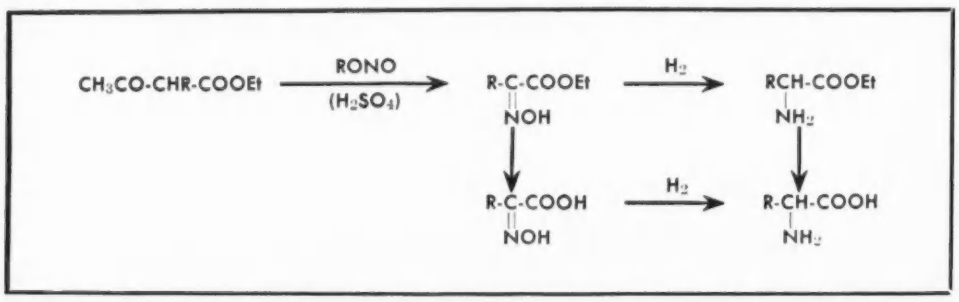
5. With hydrochloric acid, oxalacetic ester is converted into derivatives of alpha-pyrone.

6. According to an abstract of an article by a recent investigator, oxalacetic acid is reduced by yeast to malic acid.

7. In the presence of piperidine or diethyl amine, 2 molecules of oxalacetic ester condense with one molecule of an acyclic aldehyde.

8. Acetic anhydride and oxalacetic ester form ethyl acetoxyfumarate.

9. Heated to 250-350° C., oxalacetic ester loses carbon monoxide and forms ethyl malonate. (British Patent 228,863)



Typical equations for preparation of alpha-amino acids from substituted acetoacetic esters.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

A metal lead primer is described as being equal in its protective value to a good grade of aluminum paint. Maker says that it adheres tightly to metal under rapid climatic changes, is resistant to salt air, and will not bleed through the finishing coat. **(No. 590)**

U S I

A new alkaline cleaner is reported to clean aluminum rapidly and effectively without building up an oxide coating. It is described as suitable for the removal of lubricating oils and also of zinc chromate primer and lacquer coats. **(No. 591)**

U S I

A new coating for metals is said to result in a substantial increase in the life of paint films applied over it. Maker says that it is corrosion-inhibiting, and that it also removes rust and oil from the metal. It can be used on galvanized sheets, and has been suggested as a possible substitute for tin plating. **(No. 592)**

U S I

A plastic molding powder is reported to be intended for use at temperatures down to −94° F., and to be flexible, shock-resistant, and dimensionally stable at this temperature. Material is said to be odorless, tasteless, non-toxic, and water-resistant. **(No. 593)**

U S I

Industrial gloves are made of fabric treated with synthetic rubber to form an exterior coating that is said to be flexible, liquid-proof, and not subject to snagging. According to the maker, the synthetic rubber is resistant to attack by oil, solvents, acids, alkalis, and abrasion. **(No. 594)**

U S I

A new dispersion process is said to produce complete, homogeneous mixtures of solids and liquids. Compressed air is used to inject streams of solids and liquids from separate storage tanks into a mixing chamber, where the substances are intimately mixed by the turbulence of the released compressed air. **(No. 595)**

U S I

Alpha-chloropropionic acid is now available in limited quantities for research investigation, it has been announced. It is described as a colorless liquid infinitely soluble in water, acetone, and ether. **(No. 596)**

U S I

A Japan wax substitute is now in production in this country, it has been announced. It is reported that the new material displays many of the physical and chemical properties of the imported product. **(No. 597)**

U S I

A multi-point pH recorder provides a permanent record on a single chart of the conditions at a number of different sampling points, it is reported. For example, the instrument may be used to record the pH of a liquid before and after it passes a point at which some form of treatment is applied. **(No. 598)**

U S I

A pour point depressant is described as a synthetic material closely resembling a petroleum lubricant in physical properties. It is said to enable refiners of wax-bearing crudes to produce low pour-test oils more economically by avoiding the expense of dewaxing at extremely low temperatures. **(No. 599)**

U.S.I. INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND STREET, NEW YORK — CHEMICALS INDUSTRIAL ANTI- SOLVENTS ALCOHOLS FREEZE — USI SERVICE TO INDUSTRY — BRANCHES IN ALL PRINCIPAL CITIES

ALCOHOLS
Amyl Alcohol
Butanol (Normal Butyl Alcohol)
Fusel Oil—Refined

Ethanol (Ethyl Alcohol)
Specially Denatured—All regular and anhydrous formulas
Completely Denatured—all regular and anhydrous formulas
Pure—190 proof, C.P. 96%, Absolute
U.S.I. Denatured Alcohol Anti-freeze
*Super Pyro Anti-freeze
*Solox Proprietary Solvent
*Solox D-1 De-icing Fluid

***ANSOLS**
Ansol M
Ansol PR

ACETIC ESTERS
Amyl Acetate
Butyl Acetate
Ethyl Acetate

OXALIC ESTERS
Butyl Oxalate
Ethyl Oxalate

PHTHALIC ESTERS
Amyl Phthalate
Butyl Phthalate
Ethyl Phthalate

OTHER ESTERS
*Diatol
Ethyl Carbonate
Ethyl Chloroformate
Ethyl Formate

INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-anisidide
Acetoacet-ortho-chloranilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloranilide
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Sodium Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone
Collodions
*Curbay B-G
*Curbay Binders
*Curbay X (Powder)
Ethylene
Ethylene Glycol
Nitrocellulose Solutions
Potash, Agricultural
Urethan
*Vacatone

*Registered Trade Mark

Gold, U.S. purchase price	oz.	35.00	—
Chloride, acid brown, bots.	oz.	20.75	-21.00
yellow, bots.	oz.	18.75	-19.00
Gold-soda chloride, photo., bots.,	oz.	13.00	—
USP IX, bots.	oz.	14.50	-14.75
Gold of pleasure, seed, bgs	lb.	.25	- .26
Goldenseal root, bls.	lb.	4.25	- 4.75
powd., bxs.	lb.	4.40	- 5.30
Grains of Paradise, bgs.	lb.	.28	- .36
Graphite,[6] flake (cryst.), 90%, 325 mesh, 50% graphite carbon, bgs., c.l., works.	lb.	.07	—
bbls., c.l., works.	lb.	.07¼	—
l.c.l., works.	lb.	.07½	—
65% graphite, carbon, bgs., c.l., works.	lb.	.02½	—
l.c.l., works.	lb.	.03¼	—
bbls., c.l., works.	lb.	.02¾	—
80% graphite, carbon, bgs., c.l., works.	lb	.03½	—
bbls., c.l., works.	lb.	.03¼	—
l.c.l., works.	lb.	.04½	—
Grease,[1,5] house, loose.	lb.	.0925½	—
white, loose.	lb.	.0971¼	—
Wool (see Adeps lanae and Degras).			
Grease,[1,5] house, loose	lb.	.0925½	—
white, loose	lb.	.0971¼	—
Wool (see Adeps lanae and Degras).			
Green,[2] chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	.23¼	—
6-10%, bbls., same basis.	lb.	.24¼	—
11-15%, bbls., same basis.	lb.	.25¼	—
16-20%, bbls., same basis.	lb.	.25¾	—
21-25%, bbls., same basis.	lb.	.26½	—
26-30%, bbls., same basis.	lb.	.26¾	—
31-35%, bbls., same basis.	lb.	.27⅜	—
36-40%, bbls., same basis.	lb.	.29¼	—
41-45%, bbls., same basis.	lb.	.30¾	—
46-50%, bbls., same basis.	lb.	.33¼	—
reduced, color content up to 5%, same basis.	lb.	.06¾	—
9-10%, bbls., same basis.	lb.	.07½	—
11-13%, bbls., same basis.	lb.	.08	—
14-16%, bbls., same basis.	lb.	.08¼	—
17-19%, bbls., same basis.	lb.	.08½	—
20-21%, bbls., same basis.	lb.	.08¾	—
22-23%, bbls., same basis.	lb.	.09	—
24-25%, bbls., same basis.	lb.	.09¼	—
26-27%, bbls., same basis.	lb.	.09½	—
28-29%, bbls., same basis.	lb.	.10	—
30-31%, bbls., same basis.	lb.	.10¾	—
32-33%, bbls., same basis.	lb.	.12	—
34-35%, bbls., same basis.	lb.	.13	—
36-40%, bbls., same basis.	lb.	.14	—
41-45%, bbls., same basis.	lb.	.17	—
46-50%, bbls., same basis.	lb.	.17½	—
51-55%, bbls., same basis.	lb.	.18	—
56-60%, bbls., same basis.	lb.	.18½	—
61-65%, bbls., same basis.	lb.	.19	—
66-70%, bbls., same basis.	lb.	.20	—
71-75%, bbls., same basis.	lb.	.21	—
Green, chrome, prices are ½c. higher dlvd.			
Ala., Fla., Ga. La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast: for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.			
Chrome oxide, drums, pure, c.l. and l.c.l., works.	lb.	.24	—
Tetrahydroxide, bbls.	lb.	.85	—
Paris (see P).			
Tungstated, brilliant, kgs.	lb.	3.75	—
emerald, kgs.	lb.	2.60	—
Verdigris (see V).			
Green dyes are listed under Dyes.			
Grindelia robusta, bls.	lb.	.11	- .12
Guaiac resin, cs.	lb.	.30	- .35
strained, cs.	lb.	.95	- 1.00
Wood, bls.	lb.	.05	- .06
Guaiacol, liq., dms.	lb.	1.75	- 2.01
Carbonate, fib. dms., 25 lbs.	lb.	2.40	- 2.74
Guarana, powd., cs.	lb.	1.20	- 1.80
Gum aloe (see A).			
Ammoniac, tears, cs.	lb.	1.20	- 1.25
Arabic, amber sort, cleaned, bgs.	lb.	.18½	- .19
powd., bbls.	lb.	.24	- .26
white, sorts, 1, bgs.	lb.	.33	- .35
Asafetida (see A).			
Asphaltum (see A).			
Benzoin, Siam, cs.	lb.	4.50	- 4.75
Sumatra, cs.	lb.	.50	- .55
Camphor (see C).			
Chicle, prime, 33% moisture, bgs., ton lots.	lb.	.40	- .42
Copal, Congo, No. 1, unsorted.	lb.	.14⅜	—
No. 2, unsorted	lb.	.12⅜	—
No. 3, unsorted	lb.	.11¼	—
Manila,[3,6] Boeas, amber and dark.	lb.	.14½	—
Boeas, Macassar, light.	lb.	.15½	—
Loba, A	lb.	.14	—
B	lb.	.13⅜	—
C	lb.	.13⅜	—
CBB	lb.	.12	—
CNE	lb.	.10	—
D	lb.	.12¼	—
DBB	lb.	.11	—
Du	lb.	.08⅞	—
DK	lb.	.09½	—
dust	lb.	.07⅜	—
MA	lb.	.09¾	—
MB	lb.	.09¼	—
WS	lb.	.11⅜	—
Philippine, amber sorts.	lb.	.10½	—
extra pale sorts.	lb.	.12⅜	—
nubs	lb.	.13¾	—
pale chips.	lb.	.13	—
scraped	lb.	.15	—
seeds and dust.	lb.	.08¾	—
small pale chips.	lb.	.11⅜	—
Sambas and white split chips	lb.	.15½	—
Singapore dust.	lb.	.08⅜	—
spirit soluble, CBB.	lb.	.12	—
DBB	lb.	.11	—
MA	lb.	.09¾	—
MB	lb.	.09¼	—
WS	lb.	.12¼	—
Pontianak,[3,6] bold genuine.	lb.	.22⅜	—
chips	lb.	.12⅜	—
mixed	lb.	.17⅜	—
nubs	lb.	.18⅜	—
split	lb.	.19½	—
Dammar[3,6], Batavia A	lb.	.35¾	—
A/C	lb.	.31¼	—
A/D	lb.	.28⅜	—
A/E	lb.	.25⅜	—
B	lb.	.34⅜	—
C	lb.	.28⅜	—
D	lb.	.25⅜	—
dust	lb.	.13⅜	—
E	lb.	.18¾	—
F	lb.	.13¾	—
dust	lb.	.13⅜	—
Gum, dammar, Singapore, No. 1	lb.	.30⅝	—
2	lb.	.25⅝	—
3	lb.	.12⅜	—
chips	lb.	.23½	—
dust	lb.	.13	—
seeds	lb.	.17¾	—
East Indian,[3,6] Batu, bold scraped.	lb.	.10¼	—
bold unscraped.	lb.	.09	—
chips	lb.	.05⅝	—
dust	lb.	.05½	—
nubs and chips.	lb.	.05⅜	—
black, bold scraped.	lb.	.12	—
bold unscraped.	lb.	.07½	—
nubs and chips.	lb.	.07¼	—
Hiroe, pale bold.	lb.	.17⅜	—
chips	lb.	.11½	—
dust	lb.	.05½	—
nubs	lb.	.13⅜	—
Rasak, bold.	lb.	.22⅜	—
chips	lb.	.11⅜	—
dust	lb.	.05½	—
nubs	lb.	.16¾	—

To the prices of all the varnish gums quoted by importers, as set forth above, there have to be added charges of approximately 8½% for freight, marine and war risk insurance and 1½% for labor costs.

Gums, copal, Congo and Pontianak are packed in bgs.; Manila copal gums are packed in baskets; dammar gums are packed in cases; East India gums are packed in bgs.; gum elemi is packed in cans. Prices are in carload lots, ex dock or ex whse, San Francisco or New York. L.c.l. prices are ¼c. to ½c. per lb. higher.

Elemi,[5,6]	lb.	.08⅞	—
Ester, ordinary, 30,000-50,000 lbs., dlvd. N. Eng., Middle Atlantic States, Va., W. Va., N.C., Ky., Ohio, Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., and Montreal and Toronto, Can.	lb.	.09½	—
other points.	lb.	.10	- .11
2,500-30,000 lbs., dlvd. N. Eng., etc.	lb.	.09¾	—
other points.	lb.	.10½	- .11¾
smaller lots, dlvd. N. Eng., etc.	lb.	.10	—
other points.	lb.	.10¾	- .12

Ester gum spot prices are ½c. per pound higher.

Euphorbium, cs.	lb.	1.50	Nom.
Galbanum, cs.	lb.	1.60	- 1.65
Gamboge, pipe, cs.	lb.	2.30	- 2.35
powd., bbls.	lb.	2.50	- 2.55
Ghatti, soluble, bgs.	lb.	.11	- .15
Guaiac (see Guaiac resins).			
Karaya, bbls., bxs., dms.	lb.	.14	- .33
Kauri[3,6] Bush, bold	lb.	.40	—
assorted	lb.	.35	—
chips	lb.	.32	—
dark	lb.	.18	—
bright	lb.	.18	—
BXXX	lb.	.77	—
B1	lb.	.34	—
B2	lb.	.30	—
B3	lb.	.27½	—
80% chips.	lb.	.16	—
pale, XXX	lb.	.66	—
1	lb.	.43	—
2	lb.	.31	—
3	lb.	.22	—

Gum Kauri prices are for carload lots, packed in cases, ex dock or ex whse, San Francisco or New York. L.c.l. prices are ¼c. to ½c. per pound higher. To the above import prices of kauri gum there have to be added charges of approximately 8½% for freight, marine and war risk insurance and 1½% for labor costs.

Kino, tins	lb.	No prices	
Locust beans, powd., bbls.	lb.	1.15	- 1.25
Mastic, cs.	lb.	3.25	- 3.30
Myrrh, USP, cs.	lb.	.78	- .79
Olibanum, siftings, cs.	lb.	.12	- .13
tears, cs.	lb.	.20	- .35
Opium (see O).			
Rosin (see R).			
Sandarac, cks.	lb.	.95	- .97½
Scammony, cs.	lb.	1.30	- 1.35
Talha, bgs.	lb.	.10	- .11
Tragacanth, Alleppo, 1 cs.	lb.	3.75	- 4.00
2 cs.	lb.	2.00	- 3.00
3 cs.	lb.	1.10	- 1.20
Yacca,[1] bgs.	lb.	.06	- .07½
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald.	ton.	22.65	—
Medicine Lodge, Kan., frt. equald.	ton.	17.00	—
Harlem River, N. Y., frt. equald.	ton.	28.25	—
New Brighton, N. Y., frt. equald.	ton.	28.25	—
Southard, Oklahoma, frt. equald.	ton.	17.00	—
Sweetwater, Texas, frt. equald.	ton.	21.45	—
Plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald.	ton.	12.50	—
Acme, Tex., frt. equald.	ton.	12.50	—
Harlem River, N. Y., frt. equald.	ton.	13.00	—
Medicine Lodge, Kans., frt. equald.	ton.	12.50	—
New Brighton, N. Y., frt. equald.	ton.	13.00	—
Southard, Oklahoma, frt. equald.	ton.	12.50	—
Sweetwater, Texas, frt. equald.	ton.	12.50	—
Stucco, paper bgs., c.l., f.o.b. Acme, Tex., Akron, N. Y., Blue Rapids, Kansas; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Texas; Southard, Okla.; Sweetwater, Texas; frt. equald.	ton.	8.00	—
Saltville, Va.	ton.	9.00	—
Terra Alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla.	ton.	12.00	—
Harlem River, N.Y.	ton.	12.00	—
Import, bgs., ex dock	ton.	No prices	

H

Hawthorn berries, bgs.	lb.	1.10	- 1.15
Heliotropin, cryst., cns.	lb.	5.25	Nom.
Hellebore root, white, powd., bbls.	lb.	.46	- .47
Helonias root, bls.	lb.	.65	- .70
Hematine, cryst., bgs., No. 1.	lb.	.34	—
No. 2.	lb.	.30	—
No. 3.	lb.	.28	—
No. 4.	lb.	.26	—
No. 5	lb.	.24	—
paste, bxs., No. 1.	lb.	.14½	—
No. 2.	lb.	.13½	—
No. 3.	lb.	.12½	—
Hemlock bark extract, 25% tan, c.l., bbls., works.	lb.	.0385	—
tanks, works.	lb.	.0325	—
Hempseed, Manchur., bgs.	lb.	.15½	- .16
Henbane leaves, bbls.	lb.	2.85	- 3.00
Henna leaves, bls.	lb.	.25	- .30
powd., bbls., bxs.	lb.	.29	- .35
Heptanes,[1] 56°-100°C, industrial grade, dms., c.l., Group 3.	gal.	.12½	—
l.c.l., Group 3.	gal.	.19	—
tankcars, Group 3.	gal.	.10	—
50°-100°C., laboratory grade, dms., c.l., Group 3.	gal.	.16	—
l.c.l., Group 3.	gal.	.29	—
10 gal., Group 3.	gal.	.55	—
77°-115°, industrial grade, dms., c.l., Group 3.	gal.	.13	—
l.c.l., Group 3.	gal.	.19	—
tankcars, Group 3.	gal.	.10½	—
laboartory grade, dms., c.l., Group 3.	gal.	.16	—
l.c.l., Group 3.	gal.	.29	—
10 gal., Group 3.	gal.	.55	—
Hexaldehyde, normal, dms., c.l., works.	lb.	1.10	—
Hexalin (see Cyclohexanol).			
Hexamethylenetetramine[2,5], tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C.	lb.	.32	—
150 to 1,350 lbs., shipments, same basis.	lb.	.33	—
USP, dms., 500 lbs. or more, shipments, same basis.	lb.	.38	—
fib. ctns., same basis.	lb.	.40	—
Hexanes,[1] 60°-70°C, industrial grade, dms., c.l., Group 3.	gal.	.13¼	—
l.c.l., Group 3.	gal.	.19	—
tankcars, Group 3.	gal.	.11	—
laboratory grade, dms., c.l., Group 3.	gal.	.16	—
l.c.l., Group 3.	gal.	.29	—
10 gal., Group 3.	gal.	.55	—
Hexanol, dms., l.c.l., works.	lb.	.25	—
Homotropine hydrobromide, 25 oz.,	oz.	37.50	-42.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago.	unit.	4.00	- 4.50
Hops, NF, bls.	lb.	.26	- .27
Horehound, bls.	lb.	.13	- .16½
Hydrangea root, bls.	lb.	No prices	
Hydrastine, bots., 4 ozs.	oz.	20.00	—
Hydrochloride, bots., 4 ozs.	oz.	20.00	—
Sulphate, bots., 4 ozs.	oz.	29.00	—
Hydrastine, 15 grs., bots.	bot.	1.95	—
Hydrastis (see Golden seal).			
Hydrofuramide, dms., 100 lbs. or more, works.	lb.	.30	—
fib. ctns., works.	lb.	.40	—
Hydrogen peroxide, USP, bbls. 100 vols., cbys., E. of Miss. River; West Coast via Panama Canal.	lb.	.03¾	- .04
	lb.	.16	- .18½
Hydroquinone, dealers, bbls., dms.	lb.	.90	- .94
Hydroxycitronellol, cns.	lb.	9.00	-10.00
Hyoscine hydrobromide, bots.,	gram.	4.50	—
Hyoscyamine, bots.	oz.	37.50	—
Hydrobromide bots.	oz.	37.50	—
Sulphate, bots.	oz.	37.50	—
Hypernic, cryst., bgs., No. 1.	lb.	.42	—
No. 2.	lb.	.34	—
extract, bbls., No. 1.	lb.	.24	—
No. 2.	lb.	.19	—

I

Iceland moss, bls.	lb.	1.45	- 1.50
Ichthyol, bots.	lb.	4.00	—
Indian red (see Red Indian).			
Indigo, nat., ch.	lb.	2.14	- 2.20
synth., paste, bbls.	lb.	.16½	- .19
powd., bbls.	lb.	.74½	- .85
Indian metal.	oz.	12.50	—
Indol, CP, bots.	lb.	28.00	-30.00
Insect flowers (see Pyrethrum).			
Iodine, crude, jars, 25 lbs.	lb.	1.67	—
kgs., 150 lbs., less 5%, ex whse., Staten Island.	lb.	1.35	- 1.44
resubl., bots., 5 lbs.	lb.	2.10	—
jars, 50 lbs.	lb.	2.00	—
Iodoform, dms., 100 lbs.	lb.	3.95	- 4.10
jars	lb.	4.20	—
Ionone, alpha, bots.	lb.	2.75	- 2.80
beta, bots.	lb.	3.90	- 3.25
Methyl, alpha, 100%, cns.	lb.	4.35	—
Ipecac, root, bgs.	lb.	1.66	- 1.85
powd., root, bgs.	lb.	1.76	- 1.95
Irish moss, ordinary, bls.	lb.	.37	- .42½
powd., 80-90 mesh, bbls.	lb.	.50	- .55
prime bleached, bls.	lb.	.80	- .85
Iron acetate, N. F., IV, 100-lb. cbys.	lb.	.15	—
djns., 50 lbs.	lb.	.16	—
liquor, bbls., c.l., dlvd.	lb.	.03	—
l.c.l., dlvd.	lb.	.04	—
cbys., wks., frt. alld.			
Chloride (ferric), tech., anhydr., 390-lb. dms.	100 lbs.	4.65	- 6.25
150-lb. dms.	100 lbs.	5.00	- 6.00
cryst., bbls., works, frt. alld. or equald.	lb.	.03	- .08
kegs, works, frt. alld. or equald.	lb.	.07½	- .08
USP X, cryst., bbls.	lb.	.07½	—
kegs	lb.	.08½	—
solut., cbys., works, frt. alld. or equald.	lb.	.06½	- .07
djns.	lb.	.07½	—
Citrate, USP VIII, pearls.	lb.	.72	- .75
powd., cns.	lb.	.84	- .87
scales, cns.	lb.	.77	- .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots.	lb.	3.30	- 3.39
100-lb. lots.	lb.	3.40	- 3.49
cns., 25 lbs.	lb.	3.52	- 3.62
Hyposulphite, bbls., dms.	lb.	1.50	- 1.60
Iodide, bots.	lb.	3.18	- 3.22
syrup, cbys.	lb.	.39	- .40
bots.	lb.	.53	—
Nitrate, red, tech., dms.	lb.	.03½	- .04
Oxalate, powd., kgs.	lb.	.47	- .49
cns.	lb.	.52	—
scales, cns.	lb.	.82	- .85
Oxide, black, bbls., works.	lb.	.08½	—
Phosphate, ferric, pearls, cns., 50 lbs.	lb.	.54	—
25 lbs.	lb.	.57	—
scales, cns., 50 lbs.	lb.	.59	—
25 lbs.	lb.	.62	—
Pyrophosphate, pearls, cns.	lb.	.59	- .62
scales, cns.	lb.	.64	- .67
Reduced, 90%, cs.	lb.	.65	- .75
Sulphate, tech. (see Coppers and ferric sulphate).			
Sulphate, USP, cryst., 275-lb. bbls.	lb.	.04½	—
dms., 100 lbs.	lb.	.06½	—
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms.	lb.	.32	—
200-lb. lots, dms.	lb.	.35	—
pearls, 2,000-lb. lots, dms.	lb.	.32	—
200-lb lb. lots, dms.	lb.	.35	—
scales, 2,000-lb. lots, dms.	lb.	.44	—
200-lb. lots, dms.	lb.	.47	—
Prices on green are the same as for brown.			
Iron-ammonia oxalate, bbls.	lb.	.23½	—
dms., kgs.	lb.	.25½	—
Iron-soda oxalate, bbls.	lb.	.23½	—
dms.	lb.	.25½	- .26½
Isobutyl acetate, 55-gal. dms., works.	lb.	.0860	—
tanks, works.	lb.	.0760	—
Propionate, dms., works.	lb.	.102	—
Isopentane, 50-gal. dms., single, works.	gal.	.45	—
10-gal. dms., single works.	gal.	.55	—
Isophorone, dms., works.	lb.	.25	—
Isopropylamine, dms., works.	lb.	.35	—
Isopropanol (see Alcohol, isopropyl).			
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld.	lb.	.12	—
c.l., E. of Rockies, frt. alld.	lb.	.11	—
l.c.l., E. of Rockies, frt. alld.	lb.	.11½	—
tanks, E. of Rockies, frt. alld.	lb.	.10	—
Alcohol (see Alcohol).			
Ether, dms., 5 gals., frt. alld.	gal.	.55	—
55 gals., c.l., E. of Miss., frt. alld.	gal.	.35	—
55 gals., c.l., W. of Miss., frt. alld.	gal.	.39	—
l.c.l., E. of Miss., frt. alld.	gal.	.44	—
tanks, E. of Miss., frt. alld.	gal.	.25	—
W. of Miss., frt. alld.	gal.	.29	—

J

Jaborandi leaves, bls.	lb.	.09	- .10
Jalap root, NF, bls.	lb.	.62	- .65
powd., bbls., bxs.	lb.	.68	- .70
resin, lump, 100-lb. lots, cns.	lb.	5.85	—
powd., bxs.	lb.	5.90	—
Juniper berries, bgs.	lb.	.46	- .47

K

Kamala, tins.	lb.	.40	- .41
Kaolin (see China clay).			
Kava kava root, bls.	lb.	.27	- .28
Kerosene[1] at refinery:—			
Bayonne, 41-43 w.w., tanks.	gal.	.077	—
California (f.o.b. San Francisco), truck.	gal.	.11½	—
Gulf ports, 41-43, bulk.	gal.	.03⅝	- .04⅝
Louisiana-Arkansas, 41-43 w.w., bulk, car lots.	gal.	.04⅜	—
Oklahoma-Texas, 41-43 w.w., tanks.	gal.	.04½	—
Pennsylvania, 45-46 and 47, w.w., tanks.	gal.	.06½	-.08525
Kola nuts, bgs.	lb.	.08	- .11

L

Lady slipper root, bls.	lb.	.50	- .55
Lanolin (see Adeps lanae).			
Lard,[6] city, tubs.	100 lbs.	12.50	-12.75
Middlewestern, trcs.	100 lbs.	12.70	-12.80
Neutral, trcs.	100 lbs.	12.75	-12.85
Western, choice, trcs.	100 lbs.	12.80	-12.85
Compouns, tercs.	100 lbs.	16.50	-17.00
Larkspur seed, bgs.	lb.	4.85	- 5.00
Laurel berries, bls.	lb.	.25	- .26
Leaves, Greek, bls.	lb.	.55	- .56
Cypress, bls.	lb.	.52	- .54
Portuguese, bls.	lb.	.18½	- .19
Spanish	lb.	.19	- .20
Lavender flowers, ordinary, bls.	lb.	.40	- .78
medium, bls.	lb.	.75	- 1.17
select, bls.	lb.	1.00	- 1.30
Lead,[1] metal (see paint market).			
Acetate,[3] white, broken, bbls.	lb.	.12½	—
cryst., bbls.	lb.	.12½	—
gran., bbls.	lb.	.13¼	—
powd., bbls.	lb.	.13¼	—
Arsenate, bls., c.l.	lb.	.11	- .12
l.c.l., bgs.	lb.	.11½	- .12¼
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.			
Blue, basic sulphate, bbls., c.l., c.l., dlvd., E.	lb.	.07½	—
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.07¾	—
l.c.l., dlvd. E.	lb.	.07¾	—
Ariz., Cal., Col., Idaho, Mont., Nev., N.M., Ore., Utah, Wash., Wyo.	lb.	.08	—
Carbonate (see Lead, white).			
Chloride, fib. dms., 100 lbs.	lb.	.49	—
Iodide, NF V, powd., 5-lb. bots.	lb.	2.80	—
jars	lb.	2.69	—
Linoleate, pale, precip., bbls.	lb.	.22½	—
Metal (see daily quotations in market report).			
Metallic, paste, 200-lb. cont., f.o.b. works.	lb.	.10	—
5-lb. cont., f.o.b. works.	lb.	.22	—
Nitrate, bbls.	lb.	.11	- .14
Peroxide, powd., bbls., tech.	lb.	.23	—
Oleate, bbls.	lb.	.17¾	—
Resinate, fused, 16%, bbls.	lb.	.09½	- .10½
	lb.	.10¾	—
Stearate, precipitated, bbls.	lb.	.39	—
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.	lb.	.09¼	—
Other points.	lb.	.09	—
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. Cascade Mts. in Ore. and Wash.	lb.	.09¾	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.10¼	—
Colo., Mont., N. Mex., Wyo.	lb.	.10	—
other points.	lb.	.09½	—
smaller lots, Ala., etc., dlvd., Ariz., etc.	lb.	.10¾	—
Colo., etc.	lb.	.10½	—
other points.	lb.	.10	—

Lead, red, dry, 97%, Pb_3O_4, bbls., c.l., (20 tons), dlvd. Ala., etc..lb. .09½- —
other points.....lb. .09¾- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
smaller lots, dlvd. Ala..lb. .10¾- —
Ariz., etc.....lb. .11 - —
Colo., etc.....lb. .10¾- —
other points.....lb. .10¼- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .09¾- —
other points.....lb. .09½- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
smaller lots, dlvd.. Ala., etc..lb. .10½- —
Ariz, etc.....lb. .11¼- —
Colo., etc.....lb. .11 - —
other points.....lb. .10½- —
in oil, 95% min., 100-lb. kgs., lb. .14 - —
Resinate, fused, 15%, bbls...lb. .10 - .12
pale, bbls.....lb. .12 - .14
Silicate, bgs., 5 tons.....lb. .0730- —
smaller lots.....lb. .0780- —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bgs. or bbls., c.l. (20 tons), works, frt. alld. lb. .10¼- —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .10½- —
Pac. Cst., ex whse...lb. .10½- —
smaller lots, E., frt. alld..lb. .10¾- —
Pac. Cst., ex whse...lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., Wash. and Wyo..lb. .08½- —
other points.....lb. .08¾- —
l.c.l., dlvd. Ariz., etc...lb. .08¾- —
other points.....lb .08¾- —
basic sulphate, bbls., c.l., dlvd. Ariz., etc..lb. .07¾- —
other points.....lb. .07½- —
l.c.l., dlvd., Ariz., etc..lb. .08¼- —
other points.....lb. .07¾- —
in oil, 100-lb. kgs., consumers. lb. .13¾- —
100-lb. kgs., dealers....lb. .11¾- —
painters .....lb. .12¾- —
Consumers' prices and painters' prices are ½c. lower on orders of 500 lbs. or more.
Lecithin, edible, dms., c.l....lb. .34 - —
l.c.l. .....lb. .37 - .50
tech., dms., c.l.....lb. .28 - —
l.c.l. .....lb. .31 - .39
in cocoa butter, dms., c.l....lb. .39 - —
l.c.l. .....lb. .42 - .55
Lemon peel, bls.....lb. .35 - .46
Licorice extract, mass, cns....lb. No prices.
powd., bbls.....lb. No prices.
root, natural, bls.....lb. .15 - .20
powder, bbls., bls.....lb. .22 - .26
select, bbls., cs.....lb. 1.05 - —
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.:—
Adams, Mass.....ton. 8.00 - —
Bellefonte, Pa.....ton. 7.50 - —
Berkley, W. Va.....ton. 7.50 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va.ton. 7.50 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.50 - —
Adams, Mass.....ton. 8.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Berkley, W. Va.....ton. 9.00 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 9.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 9.00 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal...ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 9.00 - —
spray, paper bgs., f.o.b. Adams. Mass..ton. 9.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. No price.
dms., same basis.....lb. No price.
400 lbs. or more, bgs., same basis..lb. No price.
dms., same basis.....lb. No price.
less than 400 lbs., same basis..lb. No price.
dms., same basis.....lb. No price.
Solution, Zone 1, dms., consumers..gal. No price.
Zone 2, tanks, dealers, wks. gal. No price.
30-50, dms.....gal. No price.
Lime-sulphur, solut., Zone 3, tanks, dealers, dlvd..gal. No price.
30-50, dms.....gal. No price.
Zone 4, tanks, dealers, wks. gal. No price.
dms., wks., except Cal.gal. No price.
Zone 5, tanks, dealers, dlvd. gal. No price.
dms. .....gal. No price.
Zone 6, tanks, dealers....gal. No price
30-50, dms.....gal. No price.

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. river; Penn., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 6.75 - 7.00
Linalyl acetate, 70%, cns.....lb. 5.50 - 6.00
90%, cns.....lb. 6.50 - 6.75
92%, cns.....lb. 7.00 - 7.25
Linden flowers, bls.....lb. 1.10 - 1.60
without leaves, bls..... No stocks
Linseed meal, sacks.....ton.34.00 - —
Litharge, com'l powd., bbls., 20 tons, dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore., and Wash..lb. .08¼- —
dlvd. other points.....lb. .08 - —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash...lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
Other points.....lb. .08½- —
smaller lots, dlvd. Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
Other points.....lb. .09 - —
Lithium bromide, bbls., 100 lbs., works, frt. equald..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, NF VI, 250-lb. bbls. lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - —
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Lithopone[1], titanated (high strength), bgs., c.l., (20 ton)..lb. .0360- —
smaller lots.....lb. .0585- —
bbls., c.l. (20 tons).....lb. .0585- —
smaller lots.....lb. .0610- —
ordinary, bgs., c.l. (20 tons).lb. .04¼- —
smaller lots.....lb. .04½- —
bbls., c.l. (20 tons).....lb. .04½- —
smaller lots.....lb. .04¾- —

Lithopone in car lots is ¼c. per lb. higher delivered to the Pac. Cst. and in less car lots is ½c. higher ex whse., Pac. Cst.

Liverwort, leaves, bls.....lb. .60 - .62
Lobelia, herb, bls.....lb. .45 - .60
Logwood, cryst., bgs., No. 1..lb. .28 - —
No. 2..lb. .26 - —
extract, bbls., No. 1.....lb. .14 - —
No. 2..lb. .13 - —
No. 3..lb. .12½- —
No. 4..lb. .10 - —
solid, bxs., No. 1.....lb. .23½- —
No. 2..lb. .21½- —
Lovage root, dom., bls.....lb. .55 - .60
imported, bls.....lb. 4.50 - —
Lupulin, N.E., tins.....lb. 1.70 - 1.75
Lycopodium, cs.....lb. 8.00 -14.50

M

Mace, Banda, cs.....lb. 1.00 - 1.10
Siauw, No. 1, cs.....lb. .85 - .90
West Indian, cs.....lb. .85 - .90
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .09 - —
bbls., ...lb. .08½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls. .....lb. .09½- —
kgs. .....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls. .....lb. .09¼- —
kgs. .....lb. .10½- —
Other points.....lb. .08 - —
Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equald. with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of N.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.
Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., works, c.l., ton.32.00 - —
l.c.l., bbls., works.....ton.39.00 -42.00
Fluoride, bbls.....lb. .40 - .50
Hydroxide, mod., 200-lb. bbls., lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Magnesium, hypophosphite, cns., 100 lbs..lb. 1.45 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 - .35
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .18 - .20
Stearate, bbls., ton lots.....lb. .31 - —
less than ton lots.....lb. .32 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .37 - —
smaller lots, dms.....lb. .42 - —
cs., 500-lb. lots.....lb. .40 - —
100-lb. lots.....lb. .42 - —
5-lb. cns.....lb. .60 - —
Magnesite, cal., dom., bgs., pwd., f.o.b. mines, Calif..ton.58.75 - —
l.c.l., dlvd., N. Y.....ton.83.00 -88.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -40.50
Malva flowers, black, bls.....lb. 1.75 - 2.00
blue, bls.....lb. 2.25 - 2.50
Leaves, bls.....lb. .40 - .55
Manaca root, bls.....lb. .24 - .25
Mandrake root, bls.....lb. .25 - .28
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .17
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.74.00 - —
5-15 tons, works.....ton.77.00 - —
½, 4 tons, works.....ton.82.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works.....ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works.. ton.71.75 - —
burlap bgs., l.c.l., 5 tons, works..ton.74.75 - —
smaller lots, works..ton.79.75 - —
paper bgs., c.l, works..ton.70.00 - —
l.c.l., 5 tons, works....ton.73.00 - —
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.05 - 3.14
100-lb. lots.....lb. 3.15 - 3.25
cns., 25 lbs.....lb. 3.27 - 3.36
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½- .15½
Sulphate, anhyd., ton lots, works..lb. .11¼- —
single dms., works.....lb. .11½- —
feed grade, 77-80%, c.l...lb. .05¾- —
l.c.l. .....lb. .06½- —
fertilizer, 65%, $MnSo_4$, bgs., c.l., dlvd. rail stations in Southern freight territory..ton.59.50 - —
l.c.l., bgs., same basis or f.o.b. Balto. and Cincinnati..ton.66.50 - —
industrial grade, 80% $MnSo_4$, c.l..lb. .05 - —
l.c.l. .....lb. .05½- —
Mangrove bark, bgs., shipt...ton. No price
Manna flake, large, cs.....lb. No stocks
small, cs.....lb. 3.40 - 3.45
Mannitol, com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marjoram, French, No. 1.....lb. .84 - 1.15
Tunisian, bls.....lb. .60 - .65
Chilean .....lb. .48 - .50
Matico leaves, bls.....lb. .22 - .29
Menthol, natural, cs.....lb.13.00 -13.50
synthetic, USP, cs.....lb.13.00 - —
technical, 60-lb. cs.....lb. 6.00 - —
smaller lots.....lb. 6.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs..lb. 1.44 - —
25 lbs.....lb. 1.46 - —
50%, pails, 50 lbs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride[2] (see Corrosive sublimate).
Mercury, bisulphate,[2] 5-lb. bots.. lb. 3.02 - —
100-lb. fib. dms.....lb. 2.89 - —
25-lb. jars.....lb. 2.91 - —
Chloride[2] (see Calomel)
Cyanide,[2] cryst.....lb. 4.00 - 4.05
powd. .....lb. 4.00 - 4.05
Iodide,[2] red, NF, 5-lb. bots..lb. 4.66 - 4.71
100-lb. fib. dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.76 - 4.81
fib. dms., 100 lbs.....lb. 4.70 - —
Nitrate ointment (see Citrine ointment).
tech. (see Red, mercury oxide).
Oxide,[2] yellow, tech. (see Yellow, mercury oxide).
yellow, NF VI, fib. dms., 50 lbs. or more..lb. 3.38 - —
red,[2] NF (see Red precipitate).
Mercury ani chalk,[2] 5-lb. ctns.lb. 1.98 - —
25-lb. fib. dms.....lb. 1.86 - 1.88
Mesityl oxide, dms, c.l., dlvd...lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminums, 5½x5½ in..pkg. 2.50 - —
composition, 5½x5¼ in.....pkg. 3.00 - —
gold, XX, deep, 23K, 3⅜x3⅜ in., pkg.15.00 - —
silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls.....lb. 1.05 - 1.10
Metaphenylenediamine, kgs.....lb. .65 - —
Metatoluylenediamine, kgs...lb. .70 - —
Methanol, natural,[1,5] producer group A, all grades, E. of Miss. R., tanks..gal. .60 - —
dms., c.l.....gal. .66 - —
l.c.l. .....gal. .76 - —
Methanol prices W. of Miss. R. are 3c. per gal higher.
Natural,[1,5,6] pure, group B, tanks, frt. alld., Zone 1, gal. .50 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .54 - —
Zone 4.....gal. .54½- —
B, dms., c.l., Zone 1....gal. .55½- —
Zone 2.....gal. .57½- —
Zone 3.....gal. .59½- —
Zone 4.....gal. .61½- —
l.c.l., Zone 1.....gal. .58½- —
Zone 2.....gal. .75½- —
Zone 3.....gal. .62½- —
Zone 4.....gal. .75½- —

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; Zone 4, Ariz., Cal., Idaho, Mont., Nev., N Mex., Ore., Utah, Wash.

Methanol, synthetic,[3,5] pure, dms., c.l., Zone 1, frt. alld. gal. .34½- —
2, frt. alld. or dlvd..gal. .44½- —
3, frt. alld.....gal. .38½- —
4, frt. alld.....gal. .40½- —
dms., l.c.l., Zone 1, frt. alld. or dlvd..gal. .37 - —
2, frt. alld.....gal. .36½- —
3, dlvd., S. F. and L. A., gal. .41 - —
4, frt. alld. or dlvd..gal. .52½- —
tanks, Zone 1, frt. alld..gal. .28 - —
2, frt. alld.....gal. .30 - —
3, frt. alld.....gal. .32 - —
4, frt. alld.....gal. .32½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.: San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- .12
W. of Miss. R.....lb. .11½- .13
l.c.l., dms., dlvd. E. of Miss. R..lb. .11 - .14
W. of Miss. R.....lb. .12 - .13½
tanks, dlvd. E. of Miss. R..lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .08 - .09
l.c.l., dlvd. E. of Miss R... lb. .07½- .11
dlvd. W. of Miss. R..lb. .07½- .10½
tanks, dlvd. E. of Miss. R., lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, E. of Rockies, frt. alld., tanks..gal. .75 - —
dms., c.l., same basis..gal. .81 - —
l.c.l., same basis...gal. .86 - —

Methyl acetone prices on Pacific Coast are 8c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Synthetic, tanks, Zone 1..gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —
dms., c.l., Zone 1.....gal. .51 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —

Alcohol (see Methanol).

Anthranilate, 100-lb. lots....lb. 2.20 - —
25-lb. lots, bots.....lb. 2.35 - —
Bromide, cns.....lb. .75 - .80
cyls. .....lb. .65 - .75
Benzoate, cns., 25 lbs.....lb. 1.10 - 1.15
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 400 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd...lb. .70 - —
Iodide, bots.....lb. 4.00 - 4.15
Salicylate, dms.....lb. .35 - .37
cns. .....lb. .37 - .40
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 2,000 lbs. or more, works..lb. .50 - —
100 to 1,999 lbs., works..lb. .55 - —
1 to 99 lbs., works.....lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .32 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts..lb. .09 - —
l.c.l., same terms.....lb. .09½- —
tanks, same terms.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
Methylnaphthyl ketone, dom., cryst., cns..lb. 3.00 - 3.10
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1 quality, c.l..ton.30.00 - —
l.c.l., 5,000 lbs.....ton.40.00 - —
1,000 lbs.....lb. .02 - —
500 lbs.....lb. .02½- —
100 lbs.....lb. .03 - —
refined, c.l.....ton.20.00 - —
l.c.l., 5,000 lbs.....ton.30.00 - —
paint, c.l.....ton.55.00 - —
l.c.l., 5,000 lbs.....ton.65.00 - —
white, No. 1 quality, c.l...ton.35.00 - —
l.c.l., 5,000 lbs.....ton.45.00 - —
1,000 lbs.....lb. .02½- —
500 lbs.....lb. .03 - —
roofing, c.l.....ton.29.00 - —
l.c.l., 5,000 lbs.....ton.39.00 - —
paint, c.l.....ton.60.00 - —
l.c.l., 5,000 lbs.....ton.76.00 - —

Measuring adhesion by method developed by New York Paint & Varnish Production Club (Photo by Kurt Schelling)

YOU GET BETTER ADHESION WITH WHITE LEAD

When you step up the lead content—you get a more tightly adhering paint! That's only logical. Basic carbonate white lead contributes to adhesion...helps paint grip the surface—and hold on!

Here's significant proof: When primers for two-coat exterior painting are formulated, a high percentage of basic carbonate white lead is always included—*to insure a firm, lasting bond.*

Improved adhesion is but one of several desirable qualities that white lead adds to your paint. Others are better drying properties, greater ease in brushing, more satisfactory leveling and flow—plus proved durability.

Below are described the five Dutch Boy Basic Carbonate White Leads. They range from a low oil absorption type to one with extra-high hiding and paint thickening power. Among them there is a lead exactly suited to every need.

DUTCH BOY *Basic Carbonate* **WHITE LEADS**

111—*Extra-high hiding and paint consistency.* **333**—*High hiding and paint consistency, but less than 111.* **H. T. S.**—*Medium-high hiding and paint consistency.* **Carter**—*Medium-low oil absorption white lead, made by the Carter Process.* **Dutch**—*Low oil absorption white lead, made by the Dutch Process.*

NATIONAL LEAD COMPANY: 111 Broadway, New York; 116 Oak Street, Buffalo; 900 West 18th Street, Chicago; 659 Freeman Avenue, Cincinnati; 1213 West Third Street, Cleveland; 722 Chestnut Street, St. Louis; 2240 24th Street, San Francisco; National-Boston Lead Company, 800 Albany Street, Boston; National Lead & Oil Co. of Pennsylvania, 1370 River Avenue, Pittsburgh; John T. Lewis & Bros. Company, Widener Building, Philadelphia.

Mica, wet grd., paint or lacquer, c.l..lb. .04½- —
l.c.l. .....lb. .05 - —
paper, wall or coated, c.l..lb. .04½- —
l.c.l. .....lb. .05 - —
rubber, c.l.....lb. .04¼- —
l.c.l. .....lb. .04¾- —
biotite, c.l.....lb. .03¾- —
l.c.l. .....lb. .04¼- —

Mica, dry grd., is quoted in bags at the works; wet grd. mica in car-load lots is frt. alld. E., and in less car-load lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per pound higher west of the Mississippi.

Milk, powder, skimmed, roller, bbls., c.l..lb. .14½- —
l.c.l. .....lb. .15½- .16
spray, bbls., c.l.....lb. .15 - —
l.c.l. .....lb. .16 - .16½
unskimmed, roller, bbls., c.l., lb. .25 - —
l.c.l. .....lb. .25½- .26½
spray, bbls., c.l.....lb. .26 - —
l.c.l. .....lb. .26½- .27½
Millet seed, yellow, bgs.....lb. .03 - .03½
early fortune, bgs.....lb. .03 - .03½
hulled, bgs.....lb. .07 - .12
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .16 - .17
f.o.b. Gulf ports.....gal. .16 - .20
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 90%, powd..lb. 2.60 - 3.00
Molybdenum, trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis. Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., works..lb. .61 - —
l.c.l., works.....lb. .64 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., works..lb. .48 - —
l.c.l., works.....lb. .51 - —
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .22 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .43 - —
l.c.l., works.....lb. .46 - —
Monochlorobenzene, dms., l.c.l.lb. .07 - —
smaller cns.....lb. .08 - .09
Monoethylanilin, dms.....lb. .47 - —
Monomethylamine, dms., c.l., l.c.l., divd..lb. .65 - —
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Morphine, hydrochloride, powd., 5-oz. bots..oz. 9.60 - —
25-oz. cns.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cns.....lb. .12 - .13
flowers, cns.....lb. 1.75 - 2.10
Musk, nat., Tonquin, grains, bots., oz.37.00 -39.00
Musk root, bls.....lb. 2.25 - 2.30
bots.....oz.37.00 -39.00
synth., ambrette, cns., 100 lbs. or more..lb. 4.00 - 9.00
25 lbs. to 75 lbs.....lb. 4.10 - 9.10
5 lbs. .....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more, lb. 4.15 - 9.25
25 lbs. to 75 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more.lb. 1.40 - 2.50
25 lbs. to 75 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Musk root, bls.....lb. 2.25 - 2.30
prime, bgs.....lb. .18½- .19
good, bgs.....lb. .16½- .17
Mustard seed, California, brown, yellow, bgs.....lb. .08¼- .09
lb. .16½- .17
Chinese, yellow, bgs.....lb. .06¾- .07¼
Montana, yellow, bgs.....lb. .06½- .07
Roumanian, yellow.....lb. .12½- .13
Washington, yellow. bgs.....lb. .06½- .07
Myrobalans, J1, bgs., f.a.s...ton. No prices
J2, bgs., f.a.s.....ton. No prices
Extract, liquid, 25%, bbls.....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. No prices

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude[6], dom., 74 deg., tanks, works..100 lbs. 2.75 - —
78 deg., tanks, works..100 lbs. 3.00 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.....lb. .08 - —
50-lb. cs., same basis.....lb. .08¼- —
pkgs. (16-oz.), same basis..lb. .08½- —
(12 oz.), same basis....pkg. .07 - —
Nerolin, cryst., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic)
Nickel[6] carbonate, bbls.....lb. .36 - .36½
Chloride,[6] bbls.....lb. .18 - .20
Cyanide,[6] 100 lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide,[6] black, bbls.....lb. .35 - .38
Salt,[6] bbls.....lb. .13 - .13½
Nicotine,[3] sulphate, 40%, dms., works, frt. alld..lb. .08 - —
10-lb. tins.....lb. .86¼- —
Niger seed, bgs.....lb. .12 - .15½
Nikethamide, 100-lb. lots, bots..lb.19.50 - —
25-lb. lots, bots.....lb.20.00 - —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ and 40 sec. vis., bbls., wks. lb. .28 - —
bronzing, 20, 40, 70 sec. vis. bbls., works..lb. .29 - —
ester-soluble, 30-35, ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
Lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, dms., l.c.l., works.lb. .25 - —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f.o.b. Carrollville, Wis..unit-ton. 3.00 - —
Chemical, Ill.....unit-ton. 2.50 - —
Norfolk, Va.....unit-ton. 2.85 - —
Nitromethane, dms., l.c.l., wks.lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .26
Nitropropane I, dms., l.c.l., works, lb. .25 - —
II, dms., same basis.....lb. .25 - —
Nutgalls, Aleppo, bgs., oz.....lb. No price
Chinese, whole.....lb. .43 Nom.
Extract (see Gall extract).
Nutmegs, E.I., 80s, bgs., cs...lb. .75 - .80
110s, bgs., cs.....lb. .62 - .70
small grinding, bgs.....lb. .50 - .51
West Indian, bgs.....lb. .38 - .39
Nux vomica, bls.....lb. .09 - .11
powd., bbls., bxs.....lb. .12 - .16

O

Oakbark extract, 25% tan., bbls c.l., works..lb. .0385- —
tanks .....lb. .0325- —
Ocher (see Yellow).
Octane,[1] 100-140° C., industrial grade, dms., c.l., G. S., gal. .15¾- —
l.c.l., G.S.....gal. .20 - —
10 gals., G.S.....gal. .55 - —
tanks, G.S.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., divd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde)
natural, USP, bots.....lb. 3.50 - 3.75
sweet, true, exp., dms., cns. lb. 2.40 - 2.50
Amber, crude, cns.....lb. No stocks
ref'd, cns.....lb. .52 - —
Angelica, root, bots.....lb.150.00 - —
seed, bots.....lb.150.00 - —
Anilin (see A).
Anise, USP, cns., dms.....lb. 3.25 - 3.75
Apricot, kernels, cns.....lb. .45 - .48
Avocado, cns., dms.....lb. 1.00 - 1.25
Babassu,[5] tanks.....lb. .1110- —
Bay, W. I., 50-55% phenols, cns..lb. 1.60 - 2.10
Porto Rican, 55-60% phenols, cns..lb. 1.85 - 2.10
Bergamot, artif., cns.....lb. 2.25 - 6.50
natural, coppers.....lb.32.00 -35.00
Birch (see Oil, sweet, birch).
Birchtar, crude, cns.....lb. No prices
rect'fd., cns.....lb. No prices
Bois de Rose, Brazil, cns....lb. 5.00 - 5.75
Mexican (see Linaloe, wood).
Bone, dms., works.....gal. .65 - .75
Cade, USP IX (see Oil Juniper tar).
Cajeput, tech., dms.....lb. 2.10 - —
free from metal, cns.....lb. 2.15 - —
redistilled, cns.....lb. 2.45 - —
Calamus, cns .....lb. No stocks
Camphor, sassafrassy, cns...lb. .45 - .46
dms. .....lb. No prices
white, cns.....lb. No prices
dms. .....lb. No prices
Cananga, native, cns.....lb.17.00 -17.50
rectified, cns.....lb.18.25 -20.00
Capsicum (oleoresin), USP VIII, cns..lb. 5.25 - 5.50
Caraway, USP, cns.....lb.17.00 -17.50
Cardamom, bots.....lb.25.00 -34.00
Cassia, USP, cns.....lb.10.50 -12.00
Castor,[1,5] blown, one-way dms. c.l..lb. 15¼- —
l.c.l. .....lb. .16 - —
cold pressed, USP, bbls., c.l., lb. .14 - —
l.c.l. .....lb. .14¼- —
cns. (1-gal.), l.c.l.....lb. .17¾- —
cns. (5-gal.), l.c.l.....lb. .15¾- —
dms. (returnable), c.l...lb. .13¾- —
l.c.l. .....lb. .14¼- —
tanks .....lb. .13 - —
dehydrated, dms.....lb. .1860- —
l.c.l. .....lb. .1900- —
tanks .....lb. .1770- —
extracted, No. 3, tech., bbls. c.l..lb. .13¾- —
l.c.l. .....lb. .14¼- —
dms. (returnable), c.l..lb. .13½- —
l.c.l. .....lb. .14¼- —
tanks .....lb. .12¾- —
sulphonated, 50% (43% fat), dms., c.l..lb. .10 - —
l.c.l. .....lb. .11 - —
75% (63% fat), dms., c.l..lb. .12¾- —
l.c.l. .....lb. .13¼- —
80% (68% fat), dms., c.l..lb. .12¼- —
l.c.l. .....lb. .13½- —
Cedarleaf, USP, cns.....lb. 1.50 - 1.60
technical, cns.....lb. 1.05 - 1.35

Exchange

OIL OF LEMON
U.S.P.

Forecast...

SUPPLY — Adequate for all normal uses

QUALITY — Unexcelled

PRICES — Fair at all times

Exchange Oil of Lemon is made by the world's largest group of Lemon Growers

NOW OUTSELLS
ALL OTHER BRANDS COMBINED
4 TO 1

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Producing Plant: Exchange Lemon Products Co., Corona, California

Oil, cedarwood, Southern, dms.	lb.	.80 - 1.00
Celery, bots.	lb.	30.00 -40.00
Chaulmoogra, USP, cns.	lb.	.68 - —
Chinawood,[6] dms.	lb.	.40¼ Nom.
tanks	lb.	.3885 Nom.
Cinnamon, bark, bots.	lb.	No prices
leaf, dms.	lb.	2.50 - —
Citronella, Ceylon, cns.	lb.	1.35 - 1.75
dms.	lb.	1.30 - 1.70
Java, cns., dms.	lb.	No prices
Clove, makers, USP, cns.	lb.	1.85 - 2.10
dms.	lb.	1.75 - 2.00
Coconut,[6] Manila, crude, tanks.	lb.	No prices
edible, 76°, ret. dms., l.c.	lb.	No prices
Cod,[6] Newf., dms.	gal.	.90 - —
tanks	gal.	.85 - —
Codliver,[6] med., USP, 30-gal. bbls., or dms.	bbl.	80.00 -88.00
Coriander, bots.	lb.	28.50 -35.35
Corn,[5] crude, tanks, works.	lb.	.12½- .12¾
refd., bbls.	lb.	.15 Nom.
Cottonseed,[5] cooking, bbls.	lb.	.16¾- —
salad, bbls.	lb.	.17 - —
Creosote (see C).		
Croton, NF, cns.	lb.	4.95 - —
Cubeb, USP, cns.	lb.	4.70 - 6.80
Crude (see Petroleum, crude).		
Cumin, bots.	lb.	10.00 -12.00
Cypress, bots.	lb.	12.00 - —
Degras (see D).		
Dillseed, bots.	lb.	8.00 - 8.50
weed, bots.	lb.	7.70 - 8.25
Dip (D).		
Erigeron, cns.	lb.	2.20 - 3.85
Eucalyptus, cns.	lb.	1.05 - 1.35
dms.	lb.	1.00 - 1.30
Fennel, sweet, cns.	lb.	4.20 - —
Gaultheria (see Oil, wintergreen leaf)		
Geranium, Algerian, rose, cns.	lb.	30.00 Nom.
Bourbon, cns.	lb.	24.00 - —
Turkish (see Palmarosa).		
Grapefruit, cns.	lb.	1.65 - 2.25
Grapeseed, dom., dms.	lb.	.35 - .36
imported, dms.	lb.	.20 - .25
Ginger, dist., bots.	lb.	20.00 -21.00
Guaiac wood, concrete, bots.	lb.	4.50 - 4.75
Halibut[5] liver, ref., dms.	gal.	73.00 Nom.
Hemlock, cns.	lb.	1.15 - 1.60
Juniper berry, cns.	lb.	12.00 -18.00
wood, tech., cns.	lb.	1.50 - 1.55
Juniper tar, USP XI, dms.	lb.	1.20 - 1.35
Lard[6], common, 1, bbls.	lb.	.14¾- —
2, bbls.	lb.	.14½- —
extra, bbls.	lb.	.15¼- —
1, bbls.	lb.	.14⅝- —
winter, strained, bbls.	lb.	.15½- —
prime, burning, bbls.	lb.	.16 - —
prime, ined., bbls.	lb.	.15⅝- —
Laurel, bots.	lb.	5.00 Nom.
Lavandin, cns., 25 lbs.	lb.	No stocks
Lavender, flower, French, cns.	lb.	No prices
garden, cns.	lb.	.55 - .70
spike, Spanish, tech., cns.	lb.	4.25 - 6.85
dms.	lb.	4.15 - 6.75
Lemon, Calif., cns.	lb.	3.25 - —
Messina, coppers, cns.	lb.	No stocks
Terpeneless, Type 1	lb.	11.75 -15.00
Type 2	lb.	9.50 -13.00
Uruguay, 10 kilo cans.	lb.	5.50 - 5.75
Lemongrass, native, cns., dms.	lb.	3.50 - 4.20
Lime, dist., cns.	lb.	11.00 -12.75
expressed, cns.	lb.	13.50 -16.00
Lignaloe, wood, Mexican, cns.	lb.	4.25 - —
Brazilian (see Bois de rose)		
Linseed, raw, dms., c.l.	lb.	.1390- .1410
l.c.l., 10 to 69	lb.	.1410- .1430
5 to 9	lb.	.1450- —
less than 5		.1470- —
tanks	lb.	.1300 -.1320
boiled linseed oil, .004 over raw.		
Lubricating,[1] at refinery, ex tax, California, neutrals, pale, 200-600 vis., 2¼-4, tanks	gal.	.07¼- .11
red, 200-900 vis., 4-6½ plus, tanks	gal.	.07¼- .11½
Group 3, bright stock, 150-160 vis., 0-25 pour, tanks	gal.	.22½- .23
neutral, 150-300 vis., 3, 0-10 pour, tanks	gal.	.14½- .18
200-280 vis., 3, 15-25 pour, tanks	gal.	.15 - .17½
Pennsylvania,[2] bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks	gal.	.25 - .30½
cylinder oils, 600-630 flash, tanks	gal.	.16 - .17
600-650 steam ref'd, tanks	gal.	.15 - .15⅛
Penna., neutral, 70° F., 3 color, 150 vis., 0.25 pour, tanks	gal.	.31 - .38½
200 vis., 0-25 pour, tanks	gal.	.33 - .40⅛
Mace, dist., cns., dms.	lb.	4.75 - 6.00
Mandarin, Brazilian, cns.	lb.	9.00 -10.00
Italian, coppers	lb.	15.00 Nom.
Menhaden,[3] crude, tanks, Balto.	gal.	.6660 Nom.
ref'd, alkali, ret. dms.	lb.	.1240-.1280
kettle-boiled, ret. dms.	lb.	.1340-.1380
light-pressed, ret. dms.	lb.	.1140-.1180
tanks	lb.	.1060-.1080
Mineral, white (see Oil, white mineral).		
Mustard, artif., USP, bots., cns.	lb.	1.60 - 1.70
expressed, tanks, f.o.b. Los Angeles	lb.	.15 - —
Neatsfoot,[6] 20°, c.l., bbls.	lb.	.25¾ Nom.
extra, bbls.	lb.	.14⅝ Nom.
prime, bbls.	lb.	.15¼ Nom.
pure, bbls.	lb.	.19¼ Nom.
Neroli, bots.	lb.	300.00 Nom.
Nutmeg, dist., cns., dms.	lb.	4.75 - 6.00
Oiticica,[5] liquid, dms.	lb.	.25¼ Nom.
tanks	lb.	.25 Nom.
solid, dms.	lb.	.24¼ Nom.
Oleo, 1[6] bbls.	lb.	.13¼- —
2 bbls.	lb.	.13 - —
Olibanum, bots.	lb.	4.50 - —
Olive,[5] denat., dms.	gal.	4.20 - 4.30
edible, Calif., dms.	gal.	4.25 - 4.50
imported, dms.	gal.	4.50 - 4.75
foots, dms.	lb.	.19½- Nom.
sulphonated, 50% (40% fat), dms., c.l.	lb.	No prices
l.c.l.	lb.	No prices
75% (68% fat), dms., c.l.	lb.	No prices
l.c.l.	lb.	No prices
80% (68% fat), dms., c.l.	lb.	No prices
l.c.l.	lb.	No prices
Orange, sweet, dist., cs.	lb.	1.70 - —
expressed, Calif., cns.	lb.	3.25 - —
Argentine, 10-kilo cns.	lb.	3.00 - 3.25
Brazilian, cns.	lb.	2.25 - 2.30
Florida, cns.	lb.	2.85 - 2.90
Messina, USP, coppers	lb.	8.00 Nom.
Mexican, sponge-pressed, cns.,	lb.	5.50 - 5.75
West Indies, cns.	lb.	6.00 - 6.25
terpeneless	lb.	35.00 -175.00
Origanum, Spanish, cs.	lb.	2.70 - 3.25
Palmarosa, cns.	lb.	5.25 - 5.50
Palm,[6] Niger, dms.	lb.	.0902 Nom.
Oil, paraffin,[1] 320° flash, 60-70 vis., tanks, G. 3.	gal.	.05¼- —
350° flash, 70-80@100 vis., 0/10 pour.	gal.	.08 - —
100-100 vis., 0/10 pour.	gal.	.08½- —
100-100 vis., 10/25 pour.	gal	08¼- —
80-85 vis., bbls., extra, Ind. refy.	gal.	.12 - —
100-105 vis., bbls., extra, Ind., refy.	gal.	.14 - —
300[1] flash, 100-110 vis., tanks, G. 3.	gal.	.05¾- —
Patchouli, cns.	lb.	8.00 - 8.50
Peanut,[5] crude, tanks, mill.	lb.	.12⅞- .13
refd., edible, bbls.	lb.	.17 Nom.
Pennyroyal, dom., cns.	lb.	2.90 - —
import, cns.	lb.	3.15 - 3.25
Peppermint, natural, cns., dms.,	lb.	5.50 - 5.75
redist., USP, cns., dms.	lb.	6.00 - 6.25
Perilla,[6] dms.	lb.	.2460- —
tanks	lb.	.2380- —
Petitgrain, Paraguay, cns.	lb.	1.95 - 2.30
dms.	lb.	1.90 - 2.25
Pimento berry, cns.	lb.	No stocks
leaf, cns.	lb.	5.25 - —
Pine, dest., dist., straw-color, dms., dlvd., E. ports	gal.	.72 - .74
steam-dist., dms.	gal.	1.00 Nom.
Pineneedle, Siberian, cns.	lb.	3.00 - 3.25
Putty,[2] bbls., E. Segundo, Richmond, Cal.	gal.	.22½- —
contracts	gal.	.19½- —
Whiting, Ind.	gal.	*.34 - —
dms., c.l., Boston, Providence.	gal.	.25 - —
l.c.l., same basis	gal.	.27 - —
tanks, same basis	gal.	.18 - —
Martinez, Cal.	gal.	.28 - —

* Extra for bbls. but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Oil, rapeseed,[5] tax incl., dms.	lb.	.15½ Nom.
tax not incl., tanks	lb.	.10 Nom.
blown, dms.	lb.	.18 - .18½
Red,[5] dms., dlvd.	lb.	.1330-.1430
tanks, dlvd.	lb.	.1245- —
Rose, natural, coppers	oz.	30.00 -35.00
Rosemary, Spanish, cns.	lb.	2.25 - 2.30
dms.	lb.	2.10 - 2.15
Rosin, 1st rectified, dms.	gal.	.51 - —
2d rectified, dms.	gal.	.53 - —
3d rectified, dms.	gal.	.57 - —
Rue, bots.	lb.	No stocks.
Sage, Spanish, cns.	lb.	3.50 - 3.75
Sandalwood, domestic, distilled		
UP, cns.	lb.	5.75 - 6.75
Mysore, cns., case lots.	lb.	7.00 - 7.25
Sardine, crude, fut., tanks, Pac. Cst.	gal.	.66½ Nom.
ref'd, alkali, ret. dms.	lb.	.1240-.1280
kettle-boiled, ret. dms.	lb.	.1340-.1380
light-pressed, ret. dms.	lb.	.1140-.1180
tanks	lb.	.1060-.1080
Sassafras, artif., cns.	lb.	2.00 - —
natural, dom., cns., dms.	lb.	2.00 - 2.20
Savin cns.	lb.	No stocks
Savory, cns.	lb.	No stocks
Shark[5] liver, crude, dms., million vitamin units.		No prices
Shingle stains, bbls., c.l., works.	gal.	.19 - —
l.c.l., works.	gal.	.20 - —
tanks, works.	gal.	.14 - —
Snakeroot, Canada, cns.	lb.	12.50 - —
Soybean, dom., crude, dms.	lb.	.12¾ Nom.
tanks	lb.	.12¼ Nom.
refd., dms.	lb.	.14¼ Nom
tanks	lb.	.13½ Nom
Spearmint, dms.	lb.	3.00 - 3.20
Sperm,[6] bleach, 38°, dms.	lb.	.1301- —
45°, dms.	lb.	.1278- —
natural, dms.	lb.	.1223- —
Spruce, cns., dms.	lb.	1.50 - 1.65
Oil, sweet, birch, North, cns.	lb.	5.00 - 5.65
South, cns.	lb.	3.75 - 4.75
Tall, crude, dms., c.l., works.	ton.	55.00 - —
l.c.l., works.	ton.	60.00 -65.00
tanks, works.	ton.	40.00 - —
refined, dms., c.l., works.	lb.	.05 - —
l.c.l., works.	lb.	.05½- —
tanks, works.	lb.	.04¼- —
Tallow,[5] acidless, bbls.	lb.	.14¼- —
tanks	lb.	.13¾- —
Tansy, cns.	lb.	3.30 - 3.90
Tar, pine, com'l, dms., c.l., dlvd. E. cities	gal.	.33 - —
l.c.l., E. cities	gal.	.36 - —
tanks, dlvd. E. cities	gal.	.24½- —
rectified, USP, bbls., l.c.l., dlvd. E. cities	gal.	.60 - —
Tar acid (see T).		
Teaseed,[6] crude, dms.	lb.	No prices
refined, dms.	lb.	No prices
Tea tree (see Oil, Ti tree).		
Thyme, NF, red, cns.	lb.	2.60 - 3.50
white, cns.	lb.	2.85 - 4.00
Tung (see Oil, Chinawood).		
Ti Tree, cns.	lb.	2.50 - 2.65
Turkey, red (see castor, sulphonated).		
Turpentine (see T).		
Turtle, cns.	gal.	8.50 - —
Vetiver, Java, bots.	lb.	42.00 -50.00
Whale, ref., natural, dms.	lb.	.1070- —
winter, bleach, dms.	lb.	.1110- —
Wheat germ, dms., cont., dlvd., 100 gal.	gal.	10.00 - —
dms., 50 gal.	gal.	11.50 - —
dms., 25 gal.	gal.	12.50 - —
dms., 10 gal.	gal.	13.50 - —
dms., 5 gal.	gal.	14.00 - —
cns., 1 gal.	gal.	15.00 -

LET'S TALK IT OVER

LET us help you solve your perfume problem—with its manifold ramifications . . . the right bouquet . . . the optimum strength . . . the proper fixative and, most important of all—the **maximum consumer appeal.**

THE knowledge gained by our years of research in Aromatic Chemicals and Perfume Raw Materials cannot be adequately imparted in this printed page.

THE results of our extensive experience are available to the responsible manufacturer who wishes to improve or maintain the present quality of his product . . . or launch a new one.

For Rose Odors

BUTYL PHENYL ACETATE

Excellent in Rose Odors and Floral Odors generally.
Has fruity, floral characteristics and is very stable.
Economical to use and there still is an ample supply.

Aromatics Division

GENERAL DRUG COMPANY

644 Pacific St., Brooklyn, N. Y.

9 S. CLINTON STREET, CHICAGO 1019 ELLIOTT STREET, W., WINDSOR, ONT.

Oil, white, mineral, dom., f.o.b. N. Y., tech., 50-65 vis., returnable dms., c.l. gal. .38 - —
l.c.l. gal. .44 - .47
65/75 vis., c.l. gal. .38 - —
l.c.l. gal. .44 - .47
USP, 80/90 vis., c.l. gal. .41 - —
l.c.l. gal. .47 - .50
95/105 vis., c.l. gal. .46½- —
l.c.l. gal. .52½- .55½
125/135 vis., c.l. gal. .52 - —
l.c.l. gal. .58 - .61
145/155 vis., c.l. gal. .54 - —
l.c.l. gal. .60 - .63
175/185 vis., c.l. gal. .57½- —
l.c.l. gal. .63½- .66½
200/210 vis., c.l. gal. .62 - —
l.c.l. gal. .68 - .71
320/330 vis., c.l. gal. .71 - —
l.c.l. gal. .77 - .80
325/340 vis., c.l. gal. .72 - —
l.c.l. gal. .78 - .81
f.o.b. San Francisco, USP, 55 vis., returnable bbls., c.l. gal. .40 - —
5 bbls. gal. .45 - —
85 vis., c.l. gal. .40 - —
5 bbls. gal. .45 - —
100 vis., c.l. gal. .49½- —
5 bbls. gal. .54½- —
145 vis., c.l. gal. .57 - —
5 bbls. gal. .62 - —
180 vis., c.l. gal. .60½- —
5 bbls. gal. .65½- —
340 vis., c.l. gal. .72 - —
5 bbls. gal. .77 - —
Russian gal. No prices

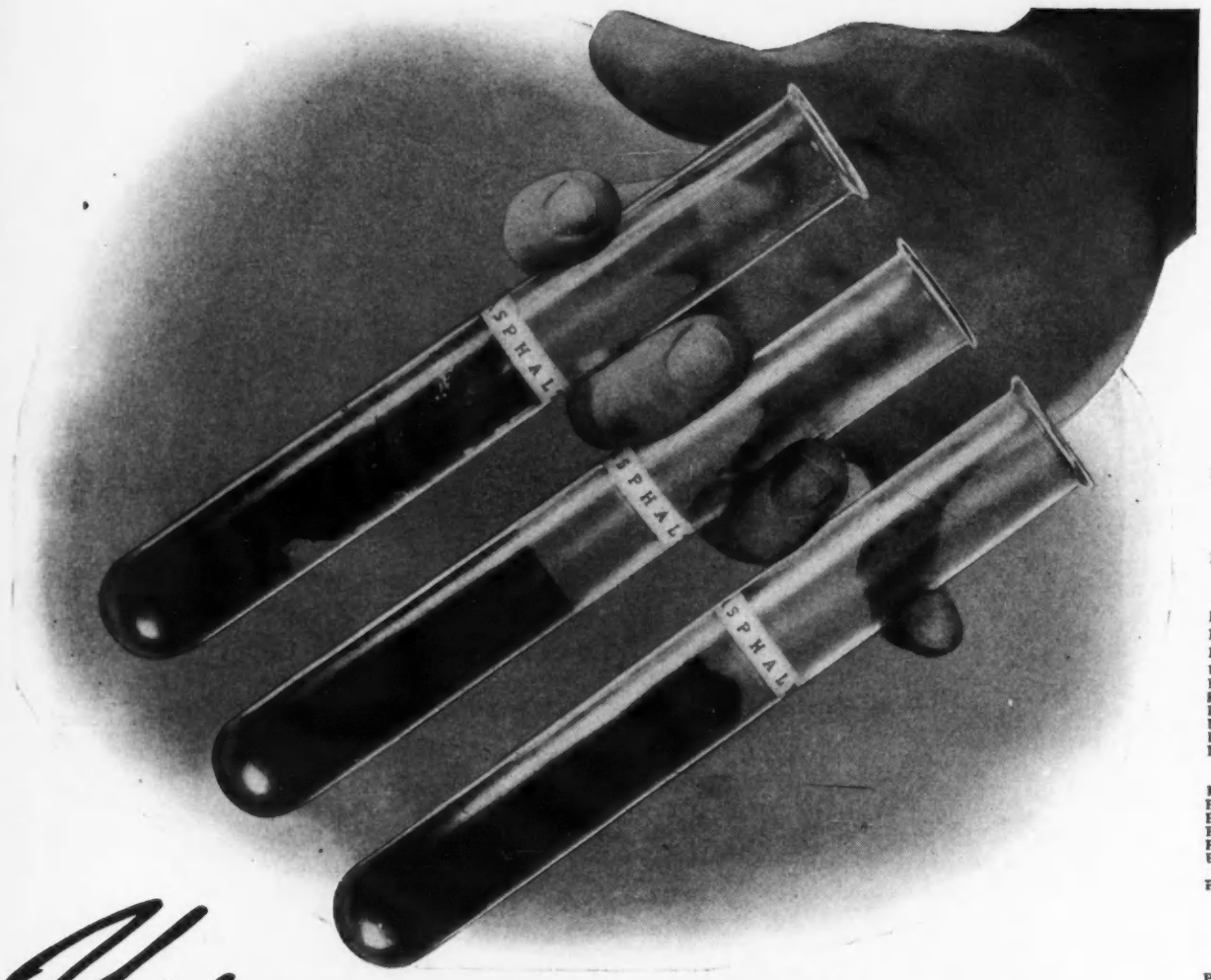
Oil, wintergreen, natural, North, cns. lb. 4.75 - 7.50
South, cns. lb. 4.00 - 6.25
synth (see Methyl salicylate).
Wood (see Oil, Chinawood).
Wormseed, cns. lb. 2.95 - 3.05
Wormwood, cns. lb. 4.35 - 5.50
Ylang-ylang, Bourb., bots., cns. lb. No stocks
Manila, bots. lb. 45.00 - —
Olivine, aggregate, c.l., mines. ton. 7.00 -11.00
Lumps, same basis ton. 7.00 - —
Spalls, same basis ton. 5.00 - —
crushed, 8 mesh, bulk, c.l., works ton. 8.00 - —
paper bags, c.l., wks. ton. 9.50 - —
325 mesh, c.l., mines ton. 20.00 - —
200 mesh, c.l., mines ton. 17.00 - —
100 mesh, c.l., mines ton. 15.00 - —
20 mesh to dust ton. 12.00 - —
Opium gum, USP, 50-lb. lots, cns. lb. 13.00 - —
25-lb. lots, cns. lb. 13.25 - —
5-lb. lots, cns. lb. 13.50 - —
1-lb. lots, cns. lb. 13.65 - —
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, Lake, Persian, bbls. lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. lb. .12¼- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., Wash. lb. 12¾- —
Colo., Mont., N. M., Wyo. lb. .12¼- —

Orange, mineral Amer., 5 tons, dlvd. other points lb. .12 - —
smaller lots, dlvd., Ala., etc. lb. .12¾- —
Ariz., etc. lb. .13¼- —
Colo., Mont., N. M., Wyo. lb. .13 - —
Other points lb. .12¾- —
French, Tours, casks, ex dock, lb. No prices
kgs., ex dock lb. No prices
Molybdate, bbls. lb. .3135- —
Toner, bbls. lb. .80 - 1.05
Orangeflower petals, cs. lb. .45 - .75
Orange peel, bitter, bbls. lb. .30 - .31
sweet, bls. lb. .15 - .17
Haitian, bgs. lb. .09 - .10
Orris root, whole lb. 1.50 - 1.70
powd., bbls., bxs. lb. 1.75 - 1.80
Orthoamylphenol, l.c.l., dms., works lb. .25 - —
Orthoanisidin, bbls. lb. .70 - —
Orthochloranilin, dms. lb. .60 - .70
Orthochlorophenol, dms. lb. .32 - —
Orthocresol,[6] 30.4°C. Min. M. P., dms., c.l., wks. lb. .17½- .18
l.c.l., same basis lb. .18 - .18½
29° Min. M. P., dms., c.l., wks. lb. .16½- .17
l.c.l., same basis lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies lb. .06 - .07½
l.c.l., same basis lb. .07 - .08½
100-lb. tins, same basis lb. .08 - .09
50-lb. tins, same basis lb. .09 - .10
tanks, same basis lb. .05½- .06½
Orthodichlorobenzene prices west of Rockies, 1c. per lb. higher.
Orthonitroanilin, dms. lb. .45 - —

Orthonitrochlorobenzene, dms. lb. .15 - .16
Orthonitroparachlorophenol, cns. lb. .75 - —
Orthonitrotoluene, dms. lb. .09 - —
Orthophenetidin, dms. lb. .82 - —
Orthotoluidin, dms. lb. .19 - —
Osage orange, crystals, bgs. lb. .23 - —
extract, bbls., No. 1 lb. .11 - —
No. 2 lb. .10 - —
Oxyquinolin sulphate, cns., 100-lbs., works lb. 3.50 - —
bots., cns., 1-50 lbs. lb 3.75 -4.15

P

Papain, powd., cs. lb. 4.00 - 4.25
Paprika, Portuguese, extra fancy, bgs. lb. .44 - .45
good, bgs. lb. .43 - .44
Spanish, extra fancy, cs. lb. .52 - .53
medium, cs. lb. .51 - .52
Parachlorophenol, dms. lb. .32 - —
Paracymene, refd., dms. gal. .75 - 1.25
Paradichlorobenzene, dms, c.l. lb. .11 - .13
l.c.l. lb. .12½- .15
Paraffin,[1] cruce scale and semi-refined, 122-124 A.M.P., slack bbls. or solid in 100-kilo bgs., 10,000 lbs., f.o.b. refinery lb. .04¼- —
124-126 A.M.P., same basis lb. .04¼- —
126-128 A.M.P., same basis lb. .04½- —
128-130 A.M.P., same basis lb. .04¾- —
130-132 A.M.P., same basis lb. .05 - —
132-134 A.M.P., same basis lb. .05¼- —
134-136 A.M.P., same basis lb. .05½- —
fully refined, 120-122 A.M.P., bbls., slabs, loose, same basis lb. .05 - —
123-125 A.M.P., slabs, loose, same basis lb. .0520- —
125-127 A.M.P., slabs, loose, same basis lb. .0520- —
128-130 A.M.P., slabs, loose, same basis lb. .0560- —
130-132 A.M.P., slabs, loose, same basis lb. .0585- —
131-133 A.M.P., slabs, loose, same basis lb. .0585- —
133-135 A.M.P., slabs, loose, same basis lb. .0615- —
135-127 A.M.P., slabs, loose, same basis lb. .0640- —
138-140 A.M.P., slabs, loose, same basis lb. .0715- —
141-143 A.M.P., slabs, loose, same basis lb. .0765- —
143-145 A.M.P., slabs, loose, same basis lb. .0810- —
145-150, slabs, cartons, same basis lb. .0860- —
146-148 A.M.P., slabs, loose, same basis lb. .0930- —
149-151 A.M.P., slabs, loose, same basis lb. .10¼- —
Paraffin wax, crude and semi-refined, packed in 50-kilo bgs., is 10 points per lb. higher; prices on slabbed material are 20 points per lb. higher than on solid. Tankcar prices are 30 points less than barrel prices. Fully refined wax in bags is 40 points higher than slabs loose; fully refined wax in tankcars is 5 points lower than slabs loose prices.
Paraformaldehyde,[2,3] dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C. lb. .23 - —
100 to 900 lbs., shipments, same basis lb. .24 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., works lb. .12 - —
5 and 10-gal. dms., works lb. .15 - —
USP, cns., cbys. lb. .37 - .45
Paranitrophenol, kgs. lb. .35 - —
Paranisidine, dms. lb. .75 - —
Paranitroanilin, kgs., works lb. .45 - —
Paranitrochlorobenzene, kgs. lb. .15 - —
Paranitrotoluene, kgs. lb. .30 - —
Paraphenylenediamine, bbls. lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls. lb. .70 - —
Paratoluidin, bbls. lb. .48 - —
Pareira brava root, bls. lb. .21 - .22
Paris green, dealer, dms., kegs, c.l., f.o.b. wks., frt. alld. lb. .24 - .26
l.c.l., same basis lb. .25 - .27
Passion flower, herb, bls. lb. .07 - .08
Patchouli leaves, bls. lb. .35 - .52
Pectin, 200-lb. bbls. lb. .80 - —
Pettitory root, bls. lb. .65 - .70
Pennyroyal leaves, bls. lb. .15 - .16
Pentachlorophenol, dms., works lb. .20 - .25
Pentaerythritol, C.P., bbls., dlvd. lb. .75 - —
less than barrel lots lb. 1.00 - —
tech., bbls., dlvd. lb. .33½- .35½
less than barrel lots lb. .40 - —
Tetra acetate, bbls., dlvd. lb. 1.00 - —
less than barrel lot lb. 1.50 - —
Pentanes,[1] 28°-38° C., industrial grade, dms., c.l., G.3. gal. .11 - —
l.c.l., G.3 gal. .19 - —
tanks, G.3 gal. .06½- —
laboratory grade, dms., c.l., G.3. gal. .16 - —
l.c.l., G.3 gal. .29 - —
10 gal., G.3 gal. .55 - —
Pepper, black,[1] 15 tons, bgs. lb. .0640- .0660
50 to 100 bgs. lb. .0675- .0690
White,[1] 15 tons, bgs. lb. .11¼ Nom
24 bgs. lb. .1340- .1360
Red, chillies, dom., choice, Hontaka type, bgs. lb. .40 - .48
Japan, Hontaka lb. .43 - .44
Mombassa, bgs. lb. .23 - .24
Sierre Leone, bgs. lb. .23½- .24
Peppermint leaves, dom., bls. lb. .65 - .70
import, bls. lb. .96 - 1.10
Perchlorethylene,[3] dms., c.l., works, frt. alld., zone 1. lb. .08 - —
l.c.l., same basis lb. .08½- —
Perchlorethylene, Zone 2, dms., c.l., works, frt., alld. lb. .08½- —
l.c.l., same basis lb. .09 - —
Zone 3, dms., c.l., works, frt. alld. lb. .09 - —
l.c.l., same basis lb. .09½- —
Zone 4, dms., c.l, f.o.b. stock point lb. .09 - —
l.c.l., same basis lb. .09½- —
All prices on perchloroethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City.; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.
Peru, balsam, dms. lb. 1.45 - 1.50
Perchloroethylene, Zone 4, dms., c.l., f.o.b. stock points lb. .09 - —



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Witco Affiliates: Witco Oil & Gas Company • The Pioneer Asphalt Company • Panhandle Carbon Company
Foreign Office, London, England.

Petrolatum, USP, amber, c.l.	lb.	.03¼	- —
l.c.l.	lb.	.04¼	- —
extra, c.l.	lb.	.03½	- —
l.c.l.	lb.	.04½	- —
white, cream, c.l.	lb.	.04¾	- —
l.c.l.	lb.	.06¾	- —
lily, c.l.	lb.	.05½	- —
l.c.l.	lb.	.07	- —
snow, c.l.	lb.	.06¼	- —
l.c.l.	lb.	.07½	- —
soft, c.l.	lb.	.05½	- —
l.c.l.	lb.	.06½	- —
yellow, soft, c.l.	lb.	.03¼	- —
l.c.l.	lb.	.04¼	- —

Petrolatum prices are f.o.b. N. Y. for material packed in drums, charged for extra and returnable for credit.

Petroleum, crude, bulk, at wells.			
Arkansas, Smackover, heavy	bbl.	.83	- —
California, gravity 18-18.9 and below	bbl.	.80	- —
30-30.9 and above	bbl.	1.28	- —
Illinois basin	bbl.	1.37	- —
Louisiana, 40° and above,	bbl.	1.30	-*1.48
Oklahoma-Kansas, gravity 20-20.9 and below	bbl.	.75	- —
40 and above	bbl.	1.26	- —
Pennsylvania, Bradford-Allegany	bbl.	3.00	- —
Buckeye lines	bbl.	2.55	- —
Corning	bbl.	1.31	- —
N.Y. Transit lines	bbl.	3.00	- —
Eureka lines	bbl.	2.59	- —
S.W. Penn Lines	bbl.	2.65	- —
National Transit lines,	bbl.	3.00	- —

* University field, East Baton Rouge parish.

Texas Conroe	bbl.	1.43	-
East	bbl.	1.25	- 1.30
Gulf Coast, gravity 19-19.9 and below	bbl.	1.06	- —
40 and above	bbl.	1.48	- —
Pecos County	bbl.	.95	- —
West (and Lea County, N.M.), gravity 19-19.9 and below	bbl.	.70	- —
40 and above	bbl.	1.12	- —
Wyoming, Lance Creek	bbl.	1.12	- —
Ether, laboratory grade, 30-60°C., c.l.	lb.	.18	- —
l.c.l.	gal.	.29	- —
10 gals.	gal.	.55	- —
35-60°C., l.c.l.	gal.	.29	- —
10 gals.	gal.	.55	- —
40-75°C., c.l.	gal.	.16	- —
l.c.l.	gal.	.29	- —
10 gals.	gal.	.55	- —

Petroleum ether prices are spot quotations f.o.b. Group 3, for material packed in drums. Lacquer diluent, at refinery—

California, 100 l.h.n., 200 e.p., tanks, dlvd. Los Angeles,	gal.	.11	- —
Fort Welles, Wash.	gal.	.12	- —
San Francisco	gal.	.11½	- —
Willbridge, Ore.	gal.	.12	- —
East Coast, N. Y., tanks.	gal.	.11	- —
N. J., tanks	gal.	.11½	- —
Group 3, benzol type, tankcars	gal.	.07⅞	- —
toluol type, tanks	gal.	.07⅞	- .07½
Mineral spirits, at refinery, California (f.o.b. San Francisco), 166-252 b.r., tanks,	gal.	.10½	- —
198-290 b.r., tanks	gal.	.10¼	- —
246-397 b.r., tanks	gal.	.10½	- —
312-408 b.r., tanks	gal.	.09	- —
362-458 b.r., tanks	gal.	.09	- —
East Coast, N. Y., tanks.	gal.	.10	- —
N. J., tanks	gal.	.10	- —
Group 3, tanks	gal.	.06¼	- —
Gulf Coast, tanks	gal.	.06¼	- —
tankwagon, Baltimore, 25-100 gals.	gal.	.13	- —
100 gals. or more	gal.	.12	- —
Boston	gal.	.12	- —
Bridgeport, Conn.	gal.	.1630	- —
Buffalo	gal.	.1240	- —
Camden, N. J.	gal.	.11	- —
Chicago	gal.	.13½	- —
Detroit	gal.	.1580	- —
Hartford	gal.	.1630	- —
Kansas City, Mo.	gal.	.1480	- —
Lancaster, Pa.	gal.	.12	- —
Milwaukee	gal.	.1440	- —
Minneapolis	gal.	.1420	- —
Newark (200 gal.)	gal.	.11	- —
New York (200 gal.)	gal.	.11	- —
Philadelphia	gal.	.11	- —
Pittsburgh	gal.	.129	- —
Providence	gal.	.13	- —
Rochester	gal.	.1320	- —
St. Louis	gal.	.1370	- —
Syracuse	gal.	.14	- —
Washington, D. C.	gal.	.13	- —
Wilmington, Del.	gal.	.13	- —
Naphtha, cleaners, at refinery:— California (f.o.b. San Francisco), tanks	gal.	.12	- —
East Coast, N. Y., tankcars	gal.	.11	- —
N. J., tankcars	gal.	.11	- —
Group 3, tankcars	gal.	.07½	- —
Gulf Coast (f.o.b. New Orleans), tankcars	gal.	.06¾	- —
tankwagon, Boston	gal.	.13	- —
Bridgeport	gal.	.1730	- —
Chicago	gal.	.1380	- —
Detroit	gal.	.15	- —
Milwaukee	gal.	.1440	- —
Minneapolis	gal.	.1420	- —
Newark	gal.	.12	- —
New York	gal.	.12	- —
Philadelphia	gal.	.125	- —
St. Louis	gal.	.1470	- —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway	gal.	.21½	- —
2, over 90% arom., same basis	gal.	.21½	- —
3, same basis	gal.	.22½	- —
8, tanks, f.o.b. Wilmington, Cal.	gal.	.14	- —
30, same basis	gal.	.13½	- —
40, same basis	gal.	.13½	- —
8, 30 and 40, in drums, delivered in metropolitan area, New York, gal., .29, .28 and .28, respectively.			
V.M.&P., at refinery:— California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo	gal.	.11	- —
Richmond	gal.	.11½	- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12	- —
54-77, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles,	gal.	.10	- —
San Francisco	gal.	.10½	- —
Portland, Seattle	gal.	.11	- —
East Coast, N. Y., tanks,	gal.	.11	- —
N. J., tanks	gal.	.11	- —
Group 3, tanks	gal.	.07½	- —
Gulf Coast (dlvd. New Orleans), tanks	gal.	.06½	- —

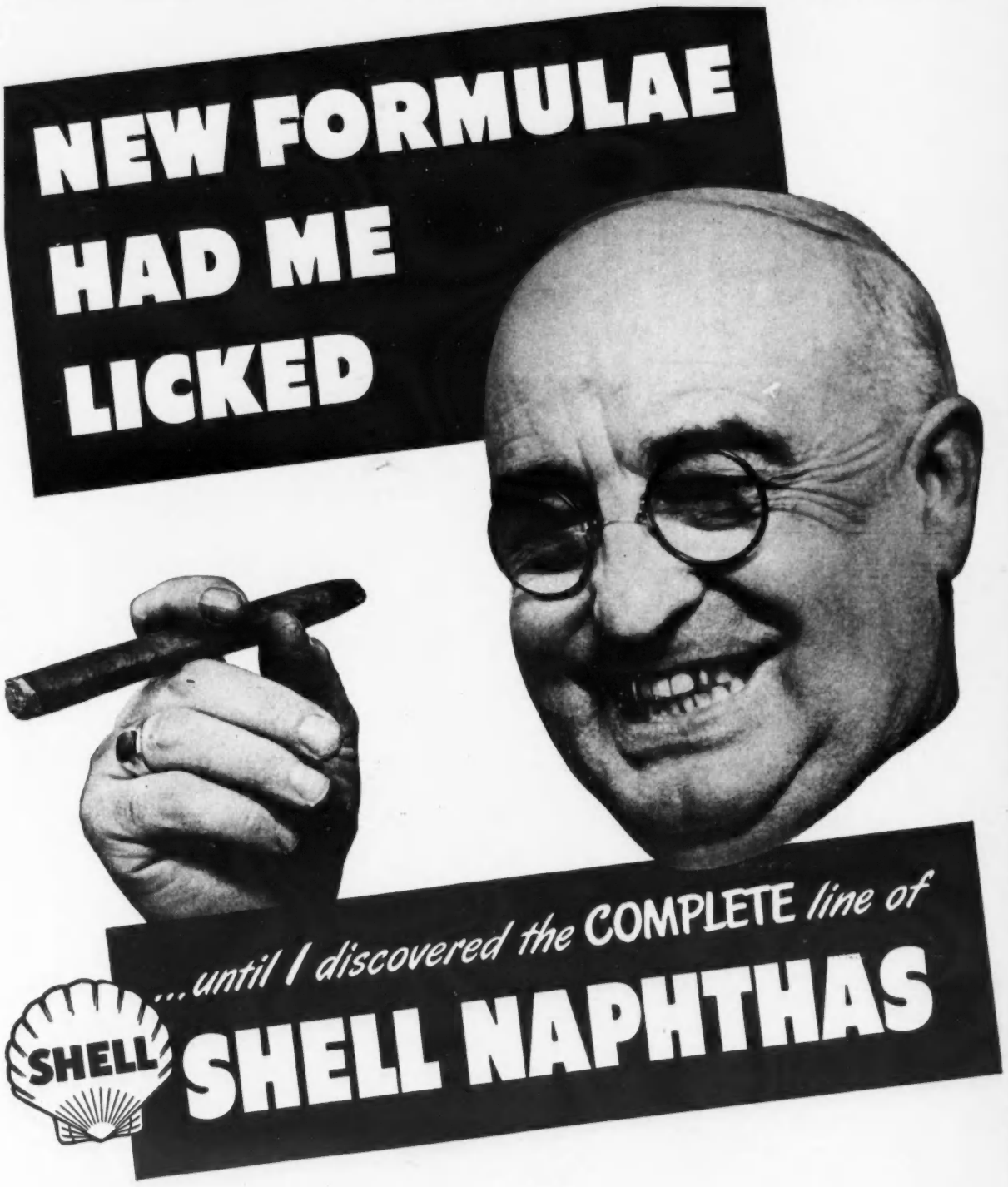
Petroleum, naphtha, V.M.&P., tankwagon, Boston	gal.	.13	- —
Chicago	gal.	.1380	- —
Detroit	gal.	.15	- —
Milwaukee	gal.	.1540	- —
Minneapolis	gal.	.1520	- —
Newark (200 gal.)	gal.	.125	- —
New York	gal.	.12	- —
Philadelphia	gal.	.125	- —
Pittsburgh	gal.	.12½	- —
St. Louis	gal.	.1470	- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco)	gal.	.24	- —
East Coast, N. Y., tanks,	gal.	.11	- —
N. J., tanks	gal.	.11	- —
Group 3, tanks	gal.	.07½	- —
Stoddard (CS 8-33), at refinery:— California (f.o.b. San Francisco), tanks	gal.	.11	- —
East Coast, N. Y., tanks,	gal.	.09½	- —
N. J., tanks	gal.	.09½	- —
Group 3, tanks	gal.	.06¾	- —
tankwagon, Baltimore	gal.	.13	- —
Boston	gal.	.12	- —
Chicago	gal.	.13½	- —
Detroit	gal.	.1580	- —
Milwaukee	gal.	.1440	- —
Minneapolis	gal.	.1420	- —
Newark	gal.	.11	- —
New York	gal.	.11	- —
Philadelphia	gal.	.11	- —
Pittsburgh	gal.	.12½	- —
St. Louis	gal.	.1370	- —
Syracuse	gal.	.14	- —

Phenobarbital, 5-lb. tins	lb.	4.20	- —
dms., 100 lbs., spot or contract,	lb.	4.00	- —
Phenol,[6] USP, dms., c.l., works, frt. equald.	lb.	.12½	- —
l.c.l., same basis	lb.	.13¼	- —
under 1,000 lbs.	lb.	.14¼	- —
tanks, works	lb.	.11½	- —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots.	lb.	.85	- —
bbls., dms., kgs., 100-250 lbs.	lb.	.87	- .89
yellow, fib. dms., 2,000-lb. lots.	lb.	.80	- —
100-lb. fib. dms.	lb.	.82	- —
25-lb. dms.	lb.	.87	- —
50-lb. kgs.	lb.	.84	- —
Phenyl chloride, dms.	lb.	.17	- —
Phenylacetaldehyde, bots.	lb.	5.00	- 6.00
dimethylacetate, cns.	lb.	14.50	-15.00
Phenyl ethyl acetate, cns.	lb.	5.00	- 5.25
Phenylethylphenyl acetate, bots.,	lb.	8.00	-15.00
Phenylhydrazine, base, CP, bots.	lb.	4.55	- —
hydrochloride, CP, bots., works.	lb.	7.10	- —
commercial, kgs., works	lb.	1.75	- —
Phloroglucinol, CP, tins, wks.	lb.	20.00	-22.00
tech., tins, works	lb.	15.00	-16.50
Phosgene, ton lots, works	lb.	.19	- —
Phosphate rock, Fla., land pebble, 68%-66%	long ton.	2.20	- —
70%-68%	long ton.	2.70	- —
72%-70%	long ton.	3.20	- —
75%-74%	long ton.	4.00	- —

Phosphate rock, Tenn., 60%-66%	long ton.	4.50	- —
70% min.	long ton.	5.00	- —
72% min.	long ton.	5.50	- —
75%-74%	long ton.	6.50	- —

Phosphate rock prices are for shipment in bulk, f.o.b. mines.

Phosphorus, red, cs.	lb.	.40	- .44
yellow, dms.	lb.	.18	- .20
cases	lb.	.23	- .25
Oxychloride,[5] cyls.	lb.	.15	- .18
Pentoxide, dms., c.l., works.	lb.	.11	- .12
l.c.l., dms., works	lb.	.13	- .14
Sesquisulphide, cs.	lb.	.38	- .42
Trichloride, cyls.	lb.	.15	- .16
Phthalamide, bbls., wks., ton.	lb.	.35	- —
single, bbls., works	lb.	.40	- —
kgs., works	lb.	.45	- .50
Phthalic anhydride,[6] bbls., c.l., works, frt. alld. E. of Miss. R.	lb.	.14½	- —
l.c.l., same basis	lb.	.15½	- —
Pichi leaves, bgs.	lb.	.08	- .09½
Pilocarpine hydrochloride, bots.,	vls. oz.	3.90	- 5.25
Nitrate, bots., vls.	oz.	3.80	- 5.15
Pimento, Jamaica, bgs.	lb.	.31½	- .32
afloat, bgs.	lb.	.31½	- .32
Mexican (see Allspice, Mexican).			
Pinkroot, bls.	lb.	.63	- .80
Pitch, burgundy (see B).			
Coaltar, 160° m.p., bbls., c.l., works	ton.	19.00	- —
l.c.l.	ton.	22.00	- —
Hardwood, 1-time, dms., c.l., dlvd., Akron	ton.	23.75	-24.00
Linseed, dms.	lb.	.05	- .05½
Petroleum (see Asphaltum, Mexican, Texas).			



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Now is a good time to remember: "For your naphtha needs, see Shell!"

Pitch, pine, bbls.....bbl.	**6.75**	**- 7.00**
Plaster of paris (see Gypsum).		
Pleurisy root, Southern, bls...lb.	**.12**	**- .13**
Podophyllin, dms., dlvd. E. of Miss..lb.	**8.75**	**- 9.00**
Poke root, bls.....lb.	**.10**	**- .11**
Polyamyl naphthalene, l.c.l., dms., works..lb.	**.25**	**- —**
Pomegranate bark, bgs.....lb.	1.05	- 1.10
Root bark, bgs.....lb.	.80	- .85
Poppy flowers, red, bls.....lb.	.65	- .85
Seed, Dutch, bgs.....lb.	.65	- .67
Indian, white, bgs.....lb.	.09½	- .10
Turkish, bgs.....lb.	.44	- .45
Potass. chromate.....lb.	.08	- —
Acetate, USP, bbls., 250 lbs..lb.	.28	- —
cns., 25 lbs.....lb.	.31	- .34
Arsenite, USP, solut., 100-lb. lots, cbys., demjs..lb.	.13	- .15
Bicarbonate, USP, cryst., bbls., kgs., 300 lbs..lb.	.19	- .21
gran., bbls., kgs., 250 lbs.lb.	.19	- .21
Bichromate,[2,5] spots, c.l., works, lb.	.09¾	- —
6 casks or 10 bbls., or over, works..lb.	.09¾	- —
5 casks or 9 bbls., or less, works..lb.	.10	- —
Bromide, USP, gran., bbls., 500 lbs..lb.	.27	- .31
kgs., 100 lbs.....lb.	.28	- .32
Carbonate, calc., dms., c.l., works..lb.	.06½	- —
l.c.l., same basis.....lb.	.06¾	- —
hydrated, 83-85%, bbls., c.l., works..lb.	.05½	- —
l.c.l., same basis.....lb.	.06¾	- —
liquid, dms., c.l., works, frt. alld..lb.	.03	- —
l.c.l., dms., same basis..lb.	.03½	- —
Potash, carbonate, liquid, tanks, same basis..lb.	.02¾	- —
USP, gran, bbls., 325 lbs..lb.	.14	- .16
powd., bbls., 325 lbs.....lb.	.19	- —
kgs., 100 lbs.....lb.	.21	- —
Caustic, flake, 88-92%, dom., c.l., works..lb.	.07	- —
l.c.l., works.....lb.	.07½	- —
liquid, 45% basis, dms.....lb.	.03½	- .03¾
tanks .....lb.	.02¾	- —
solid, 88-92%, dom., dms., c.l., works..lb.	.06¼	- —
l.c.l. .....lb.	.06½	- .06¾
Chlorate,[2,5] cryst., kgs.....lb.	.11	Nom.
powd., kgs.....lb.	.09¾	- .10
Chloride, tech., 98%, cryst., bgs., kgs..lb.	.08	Nom.
Chromate,[2,5] bgs.....lb.	.24	- .27
Citrate, USP, gran., 250-lb. bbls., lbs..lb.	.33½	- —
100-lb. dms.....lb.	.34½	- —
25-lb. dms.....lb.	.35½	- —
25-lb. dms.....lb.	.37½	- —
powd., 3c. per lb. higher.		
Cyanide, dom., dms., works..lb.	.55	- —
Cyanide, gold, 41% gold, bots., works..oz.	14.20	-14.90
Fluoride, bbls.....lb.	.34	- .40
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb.	1.50	- 1.53
100-lb. lots.....lb.	1.60	- 1.63
50-lb. lots, cbys. or cns..lb.	1.65	- 1.67
25-lb. lots, cns.....lb.	1.75	- 1.77
Guaiacolsulphonate, fib. dms., 100-lb. lots..lb.	1.75	- —
25 lbs. to 50 lbs.....lb.	1.80	- 1.85
Hydroxide, USP, sticks, dms., 100 lbs. to 1,000 lbs..lb.	.34	- .36
Potash, hypophosphite, cns., 100 lbs..lb.	.72	- —
25 to 50 lbs.....lb.	.75	- —
Iodate, bots., 5 lbs.....lb.	8.45	- —
cns., 25 lbs.....lb.	8.35	- —
Iodide, bots. or cns.....lb.	1.44	- 1.48
dms. .....lb.	1.35	- 1.38
Kainit, 20%, K_2O, bulk, ex vessel, Atlantic or Gulf ports, ton.	No prices	
Manure salt, dom., run-of-mine grade, bulk or ex-vessel, ports..unit-ton.	.60	- —
f.o.b. Carlsbad, N. M., 22% and 25%, K_2O..unit-ton.	.20	- .21
* Less seasonal discounts (for June delivery only) totaling 12%.		
Import, 30%, K_2O, bulk, ex vessel, Atlantic or Gulf ports—ton.	No prices	
Metabisulphite, kgs.....lb.	.18	- .30
Muriate, dom., min. 50%, K_2O, bulk, ex vessel, ports... unit-ton.	.58	- —
60-62-63%, K_2O, same basis unit-ton.	*.53½	- —
granular, 50-52%, K_2O..... unit-ton	*.56	- —
Potash, oxalate, pure, cryst., kgs. lb.	.40	- .42
tech., bbls., dms.....lb.	.28	- .30
Nitrate, crude, bgs., c.i.f. ports, ton.	No prices	
Perchlorate,[2,5] kgs., works..lb.	.09½	- .11
Permanganate, tech., dms., works..lb.	.19¾	- .20¼
USP, dms., works.....lb.	.20½	- .21
Prussiate, red, bbls.....lb.	No prices	
Yellow, spot, bbls.....lb.	.17	- .19
Ricinoleate, tech., bbls.....lb.	.18	- —
Silicate alkaline, lumps, bgs. lb.	.07	- —
Sulphate, NF, powd., 550 lbs., bbls..lb.	.15	Nom.
100-lb. kgs.....lb.	.17	- —
Prices on granular 4c. higher.		
tech., dom., bulk basis, 90-95%, K_2SO_4, min. 90%, ex vessel, Atl. or Gulf ports..ton.	36.25	- —
Xanthate, dms., c.l.....lb.	.12	- —
Sulphocyanide, C.P., dms.....lb.	.75	- .85
N.F., dms.....lb.	.55	- .60
Potash-magnesia, sulphate, dom., bulk, min. 40%, K_2SO_4, 18.50% MgO, ex vessel, ports, ton.	26.00	- —
Potash-soda ferricyanide, dms works..lb.	.40	- .42
Potash-titanium oxalate, 350-lb. bbls..lb.	**.45**	**- —**
100-lb. dms.....lb.	**.50**	**- —**
Prickly ash bark, bls.....lb.	**.11½**	**- .12**
Berries, bgs.....lb.	**.23**	**- .25**
Prince's pine herb, bls.....lb.	**.33**	**- .45**
Procaine, hydrochloride, 25-lb. cns. lb.	**8.00**	**- —**
5-lb. cans.....lb.	**8.25**	**- 8.50**
1-lb. bots.....lb.	**8.75**	**- —**
Propane,[1] industrial grade, tanks, f.o.b. Group 3..gal.	**.02¾**	**- .03¾**
Psyllium seed (see Fleaseed).		
Pulsatilla bls.....lb.	**1.10**	**Nom.**
Pumice, dom., grd., fine, 4F, 3F, 2F, F, O, bgs., f.o.b. Chicago, 2,000 lbs. and up. lb.	**.04**	**- —**
600-1,999 lbs.....lb.	**.04¼**	**- —**
100-599 lbs.....lb.	**.04¾**	**- —**
f.o.b. New York, 2,000 lbs. and up..lb.	**.03¾**	**- —**
500-1,999 lbs.....lb.	**.03¾**	**- —**
100- 499 lbs.....lb.	**.04**	**- —**
coarse, O½, ½, 1, 1½, 2, 3, bgs., f.o.b. Chicago, 2,000 lbs. and up..lb.	**.04¼**	**- —**
600-1,999 lbs.....lb.	**.04½**	**- —**
100- 599 lbs.....lb.	**.05**	**- —**
f.o.b. New York, 2,000 lbs., and up..lb.	**.03¾**	**- —**
500-1,999 lbs.....lb.	**.03¾**	**- —**
100- 499 lbs.....lb.	**.04¼**	**- —**
imp., Italian.....lb.	**No prices**	
Pumice stone packed in barrels lb. higher than the above prices.	**is ½c. per**	
Pumpkin seed, bgs.....lb.	**.12**	**- .18**
Purple laks (see Red).		
Putty, com'l, dms.....100 lbs.	**3.15**	**- —**
linseed oil, raw, dms....100 lbs.	**5.00**	**- —**
refined, dms.....100 lbs.	**5.50**	**- —**
standard, dms.....100 lbs.	**4.20**	**- —**
Pyrethrum[6] concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd. gal.	5.75	- —
(30 to 1), 3 grams pyrethrins per 100 cc., dms., dlvd..gal.	8.53	- —
Pyrethrum[6] flowers, coarse, grnd., (g.f.p.) 0.9% pyrethrins, frt. alld., bbls..lb.	.27	- .28
fine powd., 0.5 pyrethrins, frt., alld., bbls..lb.	.23	- —
0.9 pyrethrins, frt., alld., bbls..lb.	.29	- —
1.3 pyrethrins, frt., alld., bbls..lb.	.39	- —
Pyridin, denaturing, dms.....gal.	1.71	- —
refd., 2*, dms.....lb.	.46	- —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton.	No prices	
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb.	2.15	- 2.40
resublimed, fib. dms., tins..lb.	4.60	- —
Pyrophyllite, standard, 200 mesh, c.l., mines..ton.	10.00	- —
325 mesh, same basis.....ton.	13.00	- —
No. 3, 200 mesh, c.l., mines.ton.	8.00	- —
325 mesh, same basis.....ton.	11.00	- —
Pyroxylin scrap amber, cs., works..lb.	.12	- —
black, cs., works.....lb.	.10	- —
china, white, ivory, cs., works. lb.	.13	- —
dense, white, cs., works....lb.	.10	- —
gray, cs., works.....lb.	.08	- —
mixed, mottles, opaques, cs., works..lb.	.04	- —
translucent pastels, cs., works. lb.	.10	- —
transparent, cs., works.....lb.	.20	- —
colors, cs., works.....lb.	.13	- —
shavings, amber, cs., works. lb.	.16	- —
colors, mixed, cs., works...lb.	.10	- —
white, cs., works.....lb.	.15	- —

Q

Quassia chips, dom., bls.....lb.	.06	- .08
Quebracho extract, liquid, 55% tan, bbls., works..lb.	.05¾	- —
tanks, works.....lb.	.05¼	- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb.	.04¾	- —
clarified, 64%, bgs., c.l., same basis..lb.	.05	- —
pwd., bgs., c.l.....lb.	.10½	- —
l.c.l., bgs.....lb.	.11	- —
Queen of the meadow leaves, bgs..lb.	.12	- .13
Root, bgs.....lb.	.10	- .11
Quercitron, crystals, bgs.....lb.	.36	- —
extract, bgs., No. 1.....lb.	.10	- —
No. 2.....lb.	.09½	- —
No. 3.....lb.	.09	- —
solid, bxs.....lb.	.18½	- —
Quicksilver,[1,5] dom., flasks (76 lbs. net), f.o.b., shipment point in Cal., Ore., Wash., Idaho, Utah, Nev., and Ariz..flask.	191.00	- —
f.o.b., shipm't point in Tex., and Ark..flask.	196.00	- —
Quince seed, bgs.....lb.	1.70	- 2.25
Quinidine,[5] NFV, cryst., cns..oz.	1.06	+ .13½*
powd., precip., cns.....oz.	1.01	+ .13½
Sulphate, USP, cns.....oz.	.71	+ .13½

* Subject to surcharge of 13½c. per oz; see note under Quinine.

Quinine,[5] 100 ozs., cns.....oz.	.84	+ .13½*
Acetate, cns.....oz.	1.05	+ .13½
Arsenate, cns.....oz.	1.05	+ .13½
Arsenite, cns.....oz.	1.07	+ .13½
Bisulphate, cns.....oz.	.60	+ .13½
Citrate, cns.....oz.	.78	+ .13½

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Boston, Mass.	45 Milk Street	Hancock 2160
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Chicago, Ill.	1 North LaSalle Street	Randolph 2070
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St. Louis, Mo.	3615 Olive Street	Newstead 3636
Syracuse, N. Y.	Milton Avenue	Syracuse 8-1611

Quinine, dihydrobromine, bots.	oz.	.86	+ .13½
Dihydrochloride, bots.	oz.	.86	+ .13½
Ethylcarbonate, cns.	oz.	1.25	+ .13½
Ferrocyanide, cns.	oz.	1.07	+ .13½
Formate, cns.	oz.	1.00	+ .13½
Hydrochlorosulphate, cns.	oz.	.81	+ .13½
Glycerophosphate, cns.	oz.	1.20	+ .13½
Hydrochloride, cns.	oz.	.76	+ .13½
Hydroiodide, cns.	oz.	1.05	+ .13½
Hypophosphite, cns.	oz.	1.07	+ .13½
Phosphate, cns.	oz.	.90	+ .13½
Salicylate, cns.	oz.	.79	+ .13½
Sulphate, USP, XI, cns.	oz.	.67	+ .13½
Sulphocarbolate, cns.	oz.	1.05	+ .13½
Tannate, cns.	oz.	.63	+ .13½
Valerate, cns.	oz.	.99	+ .13½
Tartrate, cns.	oz.	1.03	+ .13½

* Quinine buyers must pay a surcharge of 13½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride,* cns.	**oz.**	**.81**	**+ .13½**

Subject to surcharge of 13½c. per oz; see note under Quinine.

R

R salt, dry, bbls.	**lb.**	**.55**	**- —**
paste, dms.	**lb.**	**.52**	**- —**
Rapeseed, Argentine, large bgs.	lb.	.10¾-	.11¼
dom., dwarf Essex, Aug. delivery, bgs.	lb.	.09¾-	.10¼
Raspberries, dried, bls.	lb.	.90	- 1.10
Red,† alizarin lake, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	**lb.**	**1.10**	**- 1.90**
Red, alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld.	lb.	.95	- —
400-2,000 lbs., bbls.	lb.	1.00	- —
100-300 lbs., pkgs.	lb.	1.05	- —
light shade, bbls., ton lots.	lb.	.80	- —
400-2,000 lbs., bbls.	lb.	.85	- —
100-300 lbs., pkgs.	lb.	.90	- —
light-medium, shade, bbls., ton lots.	lb.	.85	- —
400-2,000 lbs., bbls.	lb.	.90	- —
100-300 lbs., pkgs.	lb.	.95	- —
maroon shade, bbls., ton lots.	lb.	1.05	- —
400-2,000 lbs., bbls.	lb.	1.10	- —
100-300 lbs., pkgs.	lb.	1.15	- —
deep, bbls., ton lots.	lb.	1.15	- —
400-2,000 lbs., bbls.	lb.	1.20	- —
100-300 lbs., pkgs.	lb.	1.25	- —
medium shade, bbls., ton lots.	lb.	.90	- —
400-2,000 lbs., bbls.	lb.	.95	- —
100-300 lbs., pkgs.	lb.	1.00	- —
Red, cadmium, lithopone quotations are f.o.b. Balto. or whse. points, charges prepaid or allowed E. of Rockies.			
Red, selenide, bbls., light, works,	lb.	2.35	- —
maroon, works.	**lb.**	**2.90**	**- —**
Carmine, 40, dms., 100 lbs.	lb.	4.60	- —
50 lbs.	lb.	4.75	- —
cns., 5 lbs.	lb.	5.25	- —
1 lb.	lb.	5.35	- —
Crocus martis (see Red, purple oxide).			
Eosin toner, bbls.	**lb.**	**1.35**	**- —**
Fire toner, bbls.	**lb.**	**.85**	**- —**
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y.	**lb.**	**.09¾-**	**—**
80-85%, bbls., same basis.	**lb.**	**.07¾-**	**—**
Iron oxide (see Red oxide).			
Lacquer maroon, bbls., same basis.	**lb.**	**1.35**	**- —**
Lake C toner, bbls., same basis, alizarin, lake, contracts.	lb.	.90	- —
Litho toner, bbls., same basis, alizarin, lake, contracts.	**lb.**	**.60**	**- —**
Rose, lake, bbls.	**lb.**	**.25**	**- .28**
Pink, bbls.	**lb.**	**.20**	**- .25**
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts.	**lb.**	**1.10**	**- —**
Maroon lake, 25%, kgs., same basis, alizarin, lake, contracts.	lb.	.40	- —
Mercury oxide,‡ tech., bbls., 10,000 lbs.	**lb.**	**3.09**	**- —**
smaller lots.	**lb.**	**3.11**	**- —**
Metallic, bbls., Pa., works.	**lb.**	**.02**	**- —**
Orange, Persian (see O).			
Oxide, pure, bbls., c.l., works,	lb.	.09	- —
l.c.l., bbls.	lb.	.09¾-	—
50 lb. bgs.	lb.	.096	- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Hethlehem, Easton, E. St. Louis, Copley, Ohio.	**lb.**	**.08¾-**	**—**
80% copperas oxide, bbls., same basis.	**lb.**	**.08¼-**	**—**
Para, toner, concent., kgs., same basis, alizarin lake, contracts.	lb.	.70	- —
Persian Gulf, oxide, bbls., c.l.,	lb.	No prices	
Phloxin toner (see Red, Eosin-toner).			
Phosphotungstic rhodamine, Y, kgs.	**lb.**	**4.15**	**- —**
Purple lake, kgs.	lb.	.60	- 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis.	**lb.**	**.03¼-**	**—**
Toner, kgs.	**lb.**	**1.50**	**- 2.00**
Scarlet ink toner, kgs., same basis alizarin lake.	**lb.**	**.55**	**- —**
Lake, kgs., same basis alizarin lake.	**lb.**	**.35**	**- —**
Spanish, oxide, Grade 1, c.l., bbls., f.o.b. N. Y.	**lb.**	No prices	
Toluidin toner, kgs., same basis arizarin lake.	**lb.**	**1.05**	**- —**
Tuscan, bbls., f.o.b. N. Y., E. St. Louis.	**lb.**	**.11**	**- .40**
Venetian, bbls., works.	**lb.**	**.0220-**	**—**
10%, bbls., works.	**lb.**	**.0245-**	**—**
15%, bbls., works.	**lb.**	**.0265-**	**—**
20%, bbls., works.	**lb.**	**.02¾-**	**—**
25%, bbls., works.	**lb.**	**.03 -**	**—**
30%, bbls., works.	**lb.**	**.03¼-**	**—**
35%, bbls., works.	**lb.**	**.0360-**	**—**
40%, bbls., works.	**lb.**	**.04 -**	**—**
Vermilion, Amer., bbls., f.o.b. N.Y.	**lb.**	**.23**	**- .40**
quicksilver, bbls.	**lb.**	**3.05**	**- 3.15**
Red dyes are listed under Dyes.			
Red, precipitate,‡ NF, powd., fib. dms., 50 lbs. or more.	**lb.**	**3.26**	**- —**
Red saunders wood, ground, bbls.,	**lb.**	**.35**	**- —**
Resorcinol, tech., 200-lb. dms., frt. alld. E. of Miss.	**lb.**	**.68**	**- —**
smaller quantities, works.	**lb.**	**.74**	**- —**
USP, cryst., 100 lbs., dms., frt. alld. E. of Miss.	**lb.**	**1.80**	**- —**
Rhatany root, bgs.	**lb.**	**.09**	**- .10**
Rhubarb, whole, cs.	lb.	1.15	- 1.35
powd., bbls.	lb.	1.20	- 1.40
Riboflavin	**gram.**	**1.05**	**- 1.15**
Rice bran, concentrate, 573-lb. dms., f.o.b. Cedartown, Ga., or Emeryville, Calif., seller's option.	lb.	.79	- —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't.	**lb.**	**.43½-**	**—**
smaller lots.	**lb.**	**.44**	**- —**
powd., bbls., 5,000 lbs., 1 ship't.	**lb.**	**.42½-**	**—**
smaller lots.	**lb.**	**.43**	**- —**
Rose flowers, pale, bls.	lb.	.43	- .65
red, bls.	lb.	5.40	- 5.45
Rosemary flowers, bls.	lb.	1.65	- 1.70
leaves, Portuguese, bls.	lb.	.18	- .19
Spanish, bls.	lb.	.22	- .26
Rosin, gum, ex dock—			
B, bbls.	100 lbs.	3.55	- —
D, bbls.	100 lbs.	3.58	- —
E, bbls.	100 lbs.	3.61	- —
F, bbls.	100 lbs.	3.68	- —
G, bbls.	100 lbs.	3.76	- —
H, bbls.	100 lbs.	3.77	- —
I, bbls.	100 lbs.	3.82	- —
K, bbls.	100 lbs.	3.87	- —
M, bbls.	100 lbs.	3.90	- —
N, bbls.	100 lbs.	3.95	- —
W. G., bbls.	100 lbs.	4.00	- —
W. W., bbls.	100 lbs.	4.07	- —
X, bbls.	100 lbs.	4.07	- —
Rottenstone, dom., bgs., c.l., f.o.b. mines.	ton.	25.50	- —
l.c.l., f.o.b. mines.	ton.	37.50	- —
Import, lump, bbls.	lb.	No prices	
powd., bbls.	lb.	No prices	
Rue, bls.	lb.	1.45	- 1.50

S

Sabadilla seed, powd., bbls.	lb.	.33	- .34
Saccharin, dms., 100 lbs.	lb.	1.45	- —
cns., 25 lbs.	lb.	1.48	- —
Safflower, bls.	lb.	No prices	
Saffron, Mexican, bls.	lb.	.70	- .83
Spanish, tins.	lb.	38.00	-42.00
Safrol, cns.	lb.	.2.25	- 2.45
dms.	lb.	No prices	
Sage, Calif., whole, bls.	lb.	.50	- .52
rubbed, bgs.	lb.	.60	- .62
powder, bgs.	lb.	.60	- .62
Cyprus, bls.	lb.	.47	- .48
Dalmatian, bls.	lb.	2.00	Nom.
ground, bls.	lb.	2.25	Nom.
Greek, bls.	lb.	1.60	- 1.70
Spanish, bls.	lb.	.38	- .46
Sago flour, bgs.	lb.	.05	- .05¾
Salicin, bots., 5 lbs.	lb.	8.03	- —
cns., 25 lbs.	lb.	7.75	- —
Salol, gran., bbls., 200 lbs.	lb.	.90	- —
bxs., 25 lbs.	lb.	.93	- —
kgs., 100 lbs.	lb.	.90	- —
powd., fib. dms., 25 lbs.	lb.	1.03	- —
kgs., 100 lbs.	lb.	1.00	- —
Salt rock, bgs., dlvd. N.Y.	ton.	14.20	- —
l.c.l., bgs., dlvd. N.Y.	ton.	17.00	-18.00
vacuum, common, fine, bgs., c.l., dlvd. N.Y.	ton.	15.70	- —
l.c.l., dlvd. N.Y.	ton.	19.40	-23.20
Chrome (see Chrome cake).			
Saltcake, dom., bulk, works.	ton.	15.00	- —
import, bulk, c.l.f.	ton.	16.00	Nom.
Saltpeter, dbl. refd., gran., bbls., 10-20 tons.	100 lbs.	8.20	- —
1- 9 tons.	100 lbs.	8.35	- —
less than ton lots.	100 lbs.	8.60	- —
powd., bbls., 10-20 tons.	100 lbs.	9.20	- —
1-9 tons.	100 lbs.	9.35	- —
less than ton lots.	100 lbs.	9.80	- —
Santonin, cryst., cns.	kilo.	210.00	-220.00
Saponin, crude, cns.	lb.	2.25	- 2.50
purified, cns.	lb.	3.00	- 3.25
Sarsaparilla root, Honduras, bls.	lb.	.59	- .60
Mexican, bls.	lb.	.22	- .30
Sassafras, bark, ord., bls.	lb.	.20	- .21
select, bls.	lb.	.33	- .35
Savory, bls.	lb.	.73	- 1.75
Saw palmetto berries, bgs.	lb.	.09	- .14
Scammony root, bgs.	lb.	.07	- .08
resin, lump, cns.	lb.	.85	- —
powd., bxs.	lb.	.90	- —
Scullcap, Eastern, bls.	lb.	.25	- .30
Western, bls.	lb.	.17	- .18
Schaeffer's salt, bgs.	**lb.**	**.46**	**- —**
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment.	**lb.**	**.33¾-**	**—**
smaller lots.	**lb.**	**.34¼-**	**—**
kegs, 5,000 lbs., 1 shipm't.	**lb.**	**.34¼-**	**—**
smaller lots.	**lb.**	**.34¾-**	**—**
Selenium, pwd. A, 10-lb. tins.	**lb.**	**2.00**	**- —**
100-lb. cases.	**lb.**	**1.75**	**- —**
Senega root, spot, bls.	lb.	.70	- .95
Senna leaves Alexandria, half leaf, bls.	lb.	.22	- .28
siftings, bgs.	lb.	.22	- .26
Tinnevelly, No. 1, bls.	lb.	.16	- .17½
2, bls.	lb.	.12	- .16
3, bls.	lb.	.11	- .14
powd., bbls., bxs.	lb.	.15	- .17
Pods, bls.	lb.	.13	- .16
Serpentaria root, bls.	lb.	.70	- .82
Sesame seed, Indian, bgs.	lb.	.08½-	.09
Chinese, bgs.	lb.	.16	- .16½
Shellac,§ bleached, bonedry, bbls., f.o.b. N. Y.	**lb.**	**.39**	**- .40***
dlvd., Boston.	**lb.**	**.40**	**- .41**
Chicago	**lb.**	**.40¼-**	**.41½**
Pacific Coast.	**lb.**	**.42½-**	**.43½**
rfd., bbls., f.o.b. N. Y.	**lb.**	**.45**	**- .46**
dlvd., Boston.	**lb.**	**.45½-**	**.46½**
Chicago	**lb.**	**.46¾-**	**.47¾**
Pacific Coast.	**lb.**	**.48¾-**	**.49¾**

* To the above basic prices should be added 3½c. per lb. to cover marine and war risk insurance.

Garnet, bags.	lb.	.37	- .39†
D.C., V.S.Q., or Diamond 1, cs.,	lb.	.39	- .40†
Superfine, bgs., f.o.b. Boston, N. Y.	lb.	.32	- .33†
dlvd., Chicago.	lb.	.32½-	.33½
Pacific Coast.	lb.	.35	- .36
T.N., bgs., f.o.b. Boston, N.Y.,	lb.	.31	- .32†
dlvd., Chicago.	lb.	.31½-	.32½
Pacific Coast.	lb.	.34½-	.35½

† Shellac under WPB Imports Order M-63 Amendment No. 3. Importers are permitted by OPA to add to these prices the prevailing marine and war risk insurance and any additional import transportation charges resulting from the war.

SPOT DELIVERIES

Sodium Silico Fluoride
Sodium Hydrosulphite
Sodium Bifluoride
Sodium Acetate
Sodium Fluoride

Camphor (Natural)
Zinc Sulphate
Silver Nitrate
Gum Arabic
Boric Acid U.S.P.

White Calcined Magnesite
Heavy Calcined Magnesia

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Shellac, varnish, Metro. area.			
orange, 5-lb. cut, bbls.	lb.	1.87	+ .10‡
4½-lb. cut, bbls.	gal.	1.82½	+ .10
4-lb. cut, bbls.	gal.	1.78	+ .10
white, 5-lb. cut, bbls.	gal.	1.97	+ .10
4½-lb. cut, bbls.	gal.	1.92½	+ .10
4-lb. cut, bbls.	gal.	1.88	+ .10

‡ The additional charge of 10c. per gallon covers the cost of marine and war risk insurance.

Shellac, varnish prices, divd., Boston or Chicago, 10c. per gal.

Silica, amorph., dry-grd. 325 mesh, works Ill., c.l.	ton	17.00	- —
same basis, l.c.l.	ton	20.00	- —
400 mesh, c.l.	ton	18.00	- —
l.c.l., 5,000 lbs.	ton	19.00	- —
smaller lots	ton	20.00	- —
wet-grd., 325 mesh, works, Ill., c.l.	ton	18.00	- —
same basis, l.c.l.	ton	21.00	- —
400 mesh, c.l.	ton	30.00	- —
l.c.l., 5,000 lbs.	ton	35.00	- —
smaller lots	ton	38.00	- —
96-98%, 325 mesh, c.l.	ton	20.00	- —
l.c.l., 5,000 lbs.	ton	21.50	- —
smaller lots	ton	23.00	- —
99%, 325 mesh, c.l.	ton	20.00	- —
l.c.l., 5,000 lbs.	ton	22.00	- —
smaller lots	ton	25.00	- —
medium-grd., 99%, 325 mesh, l.c.l., 5,000 lbs.	ton	25.50	- —
smaller lots	ton	27.00	- —
Sand-quartz, 99½%, 325 mesh, c.l.	ton	13.50	- —
l.c.l.	ton	18.50	- —
140 mesh, c.l.	ton	11.00	- —
l.c.l.	ton	16.00	- —

Silica prices are for bag packing f.o.b. works.

Silver, bullion	oz.	.35½	- —
Govt. purchase, dom., metal.	oz.	.7111	- —
Govt. purchase, foreign metal.	oz.	.35	- —
Cyanide, cns., 100 ozs.	oz.	.34	- —
Nitrate, 100-oz. bots.	oz.	.26¾	- —
Nucleinate, bots., dms.	oz.	.29	- .34
Proteinate, bots., dms.	oz.	.28	- .33
Simarubra barks, bls.	lb.	.55	- .67
Skunk cabbage root, bls.	lb.	.13	- .14
Slate flour, bgs., c.l., works	ton	11.00	-12.00
l.c.l., works	ton	12.00	-13.00
Sloe berries, bgs.	lb.	.75	- .80
Smalt, black, extra velvet, ctns.	lb.	.05	- .08
Blue, ctns.	lb.	.07	- .08½
Snakeroot, Canada, bls.	lb.	.20	- .21
Soapbark, bls.	lb.	.09	- .10
crushed, bls., bbls.	lb.	.13	- .13½
cut, imp., bls., bbls.	lb.	.16	- .17
dom., bbls.	lb.	.10	- .11
powd., bbls.	lb.	.15	- .16
Soda, acetate, anhyd., dms., divd.	lb.	.08½	- .10
flake, gran., powd., 60%, dms., c.l., divd.	lb.	.05	- —
l.c.l., divd.		.07	- .10
USP, bbls., divd.		.06	- .07
Alginate, water soluble, refined, bbls., works	lb.	.79	- —
semi-refined, bbls., works	lb.	.42	- —
Aluminate, white soluble, c.i., bgs., frt. equald.	100 lbs.	7.50	- —
dms., frt. equald.	100 lbs.	7.75	- —
l.c.l., bgs., frt. equald.	100 lbs.	8.40	- —
dms., frt. equald.	100 lbs.	8.65	- —
Antimoniate, bbls., divd., c.l.	lb.	.15	- —
l.c.l., bbls., divd.	lb.	.15½	- —
Arsenate, dms., dealers., c.l works.	lb.	.08	- —
l.c.l., dms.	lb.	.09¼	- .09¾
Arsenite, dry, gray, dms., c.l., dealers, works.	lb.	.06¾	- —
l.c.l., dms., works	lb.	.07½	- .08½
white, dms., c.l., dealers, works.	lb.	.07¾	- —
l.c.l., dms., works	lb.	.08½	- .09¼

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Soda, ash, dense, 58%, bgs., c.l., works.	100 lbs.	1.15	- —
l.c.l., Zone 1	100 lbs.	2.18	- —
2	100 lbs.	2.33	- —
3	100 lbs.	2.58	- —
4	100 lbs.	2.98	- —
bbls., c.l., works	100 lbs.	1.35	- —
l.c.l., Zone 1	100 lbs.	2.35	- —
2	100 lbs.	2.50	- —
3	100 lbs.	2.75	- —
4	100 lbs.	3.15	- —
bulk, c.l., works	100 lbs.	.95	- —
extra light, 58%, bgs., c.l.,	100 lbs.	1.05	- 1.13
l.c.l., Zone 1	100 lbs.	2.13	- —
2	100 lbs.	2.28	- —
3	100 lbs.	2.53	- —
4	100 lbs.	2.93	- —
bbls., c.l., works	100 lbs.	1.45	- —
l.c.l., Zone 1	100 lbs.	2.45	- —
2	100 lbs.	2.60	- —
3	100 lbs.	2.85	- —
4	100 lbs.	3.25	- —
bulk, c.l.	100 lbs.	.90	- —
light, 58%, bgs., c.l., works.	100 lbs.	1.05	- 1.13
l.c.l., Zone 1	100 lbs.	2.13	- —
2	100 lbs.	2.28	- —
l.c.l., Zone 3	100 lbs.	2.53	- —
4	100 lbs.	2.93	- —
bbls., c.l., works	100 lbs.	1.35	- —
l.c.l., Zone 1	100 lbs.	2.35	- —
2	100 lbs.	2.50	- —
3	100 lbs.	2.75	- —
4	100 lbs.	3.15	- —
bulk, c.l.	100 lbs.	.90	- —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse point and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. River and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia.; parallel La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian; Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 93° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyoming.

Soda, benzoate, tech., bbls., 4,000 lbs. or more	lb.	.39	- —
1,000 to 3,900 lbs.	lb.	.40	- —
900 lbs. or less	lb.	.43	- —
USP, bbls., fib., 4,000 lbs. or more	lb.	.46	- —
1,000 to 3,900 lbs.	lb.	.47	- —
900 lbs. or less	lb.	.50	- —
Bicarbonate, tech., bbls., c.l., works.	100 lbs.	1.70	- —
l.c.l.	100 lbs.	2.05	- —
bgs., c.l.	100 lbs.	1.55	- —
l.c.l.	100 lbs.	1.90	- —
USP, gran., bbls., c.l., works,	100 lbs.	2.25	- —
l.c.l.	100 lbs.	2.60	- —
powd. bbls., c.l., works,	100 lbs.	1.85	- —
l.c.l., divd. N.Y.	100 lbs.	2.51	- —
kgs., c.l.	100 lbs.	2.10	- —
l.c.l., divd. N.Y.	100 lbs.	2.76	- —
Bichromate, [5],[8] spot, c.l., works	lb.	.07¾	- —
l.c.l., 6 cks. or 10 bbls. or over, works.	lb.	.07½	- —
5 cks. or 9 bbls. or less, works.	lb.	.07¾	- —
Bifluoride, bbls., c.l.	lb.	.11	- —
10-bbl. lots	lb.	.11½	- .13
1-9 bbls.	lb.	.12	- —
kegs	lb.	.12½	- .14
Bisulpnite, powd., bbls., c.l., works.	100 lbs.	3.00	- 3.10
l.c.l., works	100 lbs.	3.50	- 3.60
solution, 32 deg., bbls., c.l., works.	100 lbs.	1.30	- —
l.c.l., bbls., works.	100 lbs.	1.55	- —
Soda bisulphite, solution, 33 deg., bbls., c.l., works.	100 lbs.	1.35	- —
l.c.l., bbls., works.	100 lbs.	1.60	- —
35 deg., c.l., works.	100 lbs.	1.40	- —
l.c.l., bbls., works.	100 lbs.	1.65	- —
solut., 44 deg., bbls., works,	100 lbs.	1.55	- —
l.c.l., bbls., works.	100 lbs.	1.80	- —
Bromide, USP, gran., works, 500 lbs.	lb.	.27	- .31
fiber dms., 100 lbs.	lb.	.28	- .33
Cacodylate, 1, 5-lb. bots., works.	lb.	17.00	- —

Carbonate (see Soda ash, soda monohydrated, soda sal).

Caustic, flake, 76%, powd., ammo. process, bbls., c.l., works.	100 lbs.	2.95	- —
dms., c.l., works.	100 lbs.	2.70	- —
l.c.l., Zone 1	100 lbs.	3.55	- 4.90
2	100 lbs.	3.70	- 5.05
3	100 lbs.	3.95	- 5.30
4	100 lbs.	4.35	- 5.70
electro process, dms., c.l., works.	100 lbs.	2.70	- —
l.c.l., same zinc prices as ammonia process.			
liquid, 47-49%, buyers' tanks, works.	100 lbs.	1.92½	- —
sellers' tanks, works.	100 lbs.	1.95	- —
70%, buyers' tanks, works,	100 lbs.	1.97½	- —
sellers' tanks, works.	100 lbs.	2.00	- —
solid, 76% ammon., process, dms., c.l., works.	100 lbs.	2.30	- —
l.c.l., Zone 1	100 lbs.	3.15	- —
2	100 lbs.	3.30	- —
3	100 lbs.	3.55	- —
electro process, dms., c.l., works.	100 lbs.	2.80	- —

Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.

Chloride (see Salt).			
Chlorate,[6] dom., cryst., bgs., c.l., works.	lb.	.06¼	- —
l.c.l., works.	lb.	.06½	- —
powd., bgs., c.l., works.	lb.	.06½	- —
l.c.l., works.	lb.	.07	- .08½
Chromate,[5],[6] spot, c.l., works.	lb.	.08¾	- —
c.l., works.	lb.	.06¼	- —
l.c.l., works.	lb.	.06½	- —
powd., bgs., c.l., works.	lb.	.06¼	- —
l.c.l., works.	lb.	.07	- .08½
l.c.l., 6 cks. 10 bbls. or over, works.	lb.	.09½	- —
Citrate, USP VIII, 225-lb. bbls.	lb.	.18½	- —
dms., 50-lb. lots.	lb.	.20½	- —
25-lb. lots.	lb.	.22½	- .23½
dms., kgs., 100-lb. lots.	lb.	.19½	- —
USP XI, gran., bbls., 250-lb. lots.	lb.	.24	- —
boxes, 50-lb. lots.	lb.	.26	- —
cns., 25-lb. lots.	lb.	.28	- .29
kgs., 100-lb. lots.	lb.	.25	- —
powd., bbls., 250-lb. lots.	lb.	.24½	- —
boxes, 50-lb. lots.	lb.	.26½	- —
cns., 25-lb. lots.	lb.	.29½	- —
kgs., 100-lb. lots.	lb.	.25½	- —
Cyanide, 96-98%, dom., dms.	lb.	.14	- .15
imports, 96%, cs.	lb.	No prices	
Diacetate, 33-35% acidity, bbls., divd.	lb.	.09½	- .10½
anhy., dms., divd.	lb.	.12½	- —
Fluoride, white, 30%, bbls., c.l., frt. allw.	lb.	.08	- —
l.c.l., 10 or over, same basis.	lb.	.08¾	- —
1-9, same basis.	lb.	.09	- —
95%, bbls., c.l., same basis.	lb.	.08¼	- —
l.c.l., 10 or over, same basis.	lb.	.08¾	- —
1-9, same basis.	lb.	.09¼	- —

Soda fluoride prices at Los Angeles are f.a.s. works.

Glycerophosphate, NF. cryst., bbls., 1,000-lb. lots.	lb.	1.25	- 1.32
100-lb. lots.	lb.	1.40	- 1.47
cns., 25 lbs.	lb.	1.65	- 1.67
powd., bbls., 1,000-lb. lots.	lb.	1.25	- 1.32
100-lb. lots.	lb.	1.40	- 1.47
cns., 25 lbs.	lb.	1.72	- —
solution, cbys., cns.	lb.	.82	- .83
Hydrosulphite, dms., frt. alld.,	lb.	.17	- .18
Soda, hydroxide, USP, sticks, dms., 100 to 1,000-lb. lots.	lb.	.24	- .27
Hypophosphite, N. F., cns., 100-lb. lots.	lb.	.67	- —
Hyposulphite, cryst., large bgs., works, frt. equald.	100 lbs.	2.25	- —
bbls., same basis.	100 lbs.	2.45	- —
l.c.l., bgs., works, frt. equald.	100 lbs.	2.50	- —
bbls., same basis.	100 lbs.	2.70	- —
pea, bgs., c.l., works.	100 lbs.	2.60	- —
bbls., works.	100 lbs.	2.80	- —
dms., works.	100 lbs.	3.10	- —
5,000 lbs. and over, bgs., works.	100 lbs.	2.75	- 3.00
bbls., works.	100 lbs.	2.95	- 3.20
dms., works.	100 lbs.	3.25	- 3.60
2,500 to 5,000 lbs., bgs., works,	100 lbs.	2.85	- 3.10
bbls., works.	100 lbs.	3.05	- 3.30
dms., works.	100 lbs.	3.35	- 3.60
500 to 2,500 dms., works.	100 lbs.	3.10	- 3.25
bbls., works.	100 lbs.	3.30	- 3.55
dms., works.	100 lbs.	3.60	- 3.85
pea, less than 500 lbs., bgs., works.	100 lbs.	3.70	- 3.95
bbls., works.	100 lbs.	3.90	- 4.15
dms., works.	100 lbs.	4.20	- 4.45
Iodate, jars.	lb.	5.49	- —
Iodide, jars.	lb.	2.42	- —
bots.	lb.	2.52	- 2.57
Mandelate, 100-lb. dms.	lb.	3.25	- —
Metanilate, bgs.	lb.	.40	- —
Metasilicate, anhyd., dms., c.l., works, frt. equald.	100 lbs.	4.00	- —
15 dms. and over, divd. N.Y.	100 lbs.	4.90	- —
3-14 dms., same basis.	100 lbs.	5.05	- —
1-2 dms., same basis.	100 lbs.	5.30	- —
gran., bbls., c.l., works.	lb.	2.50	- —
10 bbls. and over, divd. N.Y.	lb.	3.30	- —
1-9 bbls., divd. N.Y.	lb.	3.55	- —
Molybdate, anhyd., kgs., works	lb.	.47	- —
Monohydrated, bbls, N. Y.	100 lbs.	3.00	- —
works	100 lbs.	2.55	- —
Naphthionate, bbls.	lb.	.50	- —
Nitrate,[6] dom., c.l., 100-lb. bgs., divd., f.o.b. cars Hopewell, Va.	ton	30.05	- —
200-lb. bgs., same basis.	ton	29.85	- —
bulk, f.o.b. Hopewell, Va.	ton	27.00	- —
imp., c.l., 100-lb. bgs., f.o.b. cars, Atl. Gulf, Pac. warehouses, rail or shipment.	ton	33.00	- —
200-lb. bgs., same basis.	ton	32.40	- —
bulk, same basis.	ton	30.00	- —
refd., gran., bbls., 10 tons.	100 lbs.	3.60	- —
1-9 tons	100 lbs.	3.75	- —
smaller lots	100 lbs.	4.00	- —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized.	lb.	.06¾	- —
West Coast, f.o.b. ports,	100 lbs.	8.00	- 8.65
l.c.l.	100 lbs.	8.90	-11.90

Soda nitrite l.c.l. prices range represents delivery at various points.

Orthosilicate, anhyd., dms., c.l., works, frt. equald.	lb.	4.50	- —
15 dms. and over, same basis.	lb.	5.45	- —
3-14 dms., same basis.	lb.	5.60	- —
1-2 dms., same basis.	lb.	5.85	- —
flake, dms., c.l., works.	100 lbs.	3.15	- —
10 bbls. and over, divd. N.Y.C.	100 lbs.	4.30	- —
1-9 bbls., same basis.	100 lbs.	4.55	- —
Oxalate, neut., bbls.	lb.	.09	- —
Perborate, NF, bbls., c.l., works,	lb.	.14¾	- —
l.c.l., works.	lb.	.15¼	- —
Pentachlorophenate briquete, single bgs., works.	lb.	.26	- —
70 lbs., bgs., works.	lb.	.20	- —
490 lbs., bgs., works.	lb.	.18	- —
powd., 100 lbs., kgs., works.	lb.	.19	- —
500 lbs., bgs., works.	lb.	.17	- —
Phosphate, dibasic, anhyd., bgs., c.l., works.	100 lbs.	6.00	- 6.25
l.c.l., works.	100 lbs.	6.50	- 7.25
bbls., c.l., works.	100 lbs.	6.20	- 6.45
l.c.l., works.	100 lbs.	6.70	- 7.45
cryst., tech., bgs., c.l., works	100 lbs.	2.55	- 2.70
l.c.l., works.	100 lbs.	2.95	- 3.45
bbls., c.l., works.	100 lbs.	2.75	- 2.90
l.c.l., works.	100 lbs.	3.15	- 3.65
monobasic, anhyd., bgs., c.l., works.	100 lbs.	7.25	- 8.25
l.c.l., works.	100 lbs.	8.00	- 9.00
bbls., c.l., works.	100 lbs.	7.45	- 8.45
l.c.l., works.	100 lbs.	8.20	- 9.20
tribasic, bgs., c.l., works.	100 lbs.	2.70	- —
l.c.l., works.	100 lbs.	3.45	- —
bbls., c.l., works.	100 lbs.	2.90	- —
l.c.l., works.	100 lbs.	3.65	- —
kegs, c.l., works.	100 lbs.	3.40	- —
l.c.l., works.	100 lbs.	4.15	- —
USP (dibasic), bbls., dms., works.	lb.	.06	- .10
dried, bbls., dms., works.	lb.	.11½	- .12
Picramate, kgs.	lb.	.65	- —
Prussiate, yellow, bbls., 10,000 lbs. or more.	lb.	.11	- —
contracts	lb.	.10	- —
smaller lots.	lb.	.11¼	- —
contracts	lb.	.10¼	- —
Pyrophosphate[2], anhyd., bgs., c.l., works, frt. equalized.	100 lbs.	5.28	- 6.10
5 tons and over, same basis,	100 lbs.	5.40	- 6.25
less than 5 tons, same basis,	100 lbs.	5.75	- 6.60
bbls., c.l., works, frt. equalized.	100 lbs.	5.45	- 6.30
5 tons and over, same basis,	100 lbs.	5.60	- 6.45
less than 5 tons, same basis,	100 lbs.	5.95	- 6.80
Ricinoleate, tech., bbls.	lb.	.12	- —
Sal, bgs., divd. N. Y.	100 lbs.	1.35	- —
works	100 lbs.	1.10	- —
bbls., divd. N. Y.	100 lbs.	1.40	- —
works	100 lbs.	1.20	- —
Salicylate, bxs.	lb.	.52	- .55
Sesquicarbonate, bgs., c.l., works.	100 lbs.	1.50	- —
bbls., c.l., works.	100 lbs.	1.70	- —
bbls., l.c.l., Zone 1	100 lbs.	2.70	- —
2	100 lbs.	2.85	- —
3	100 lbs.	3.10	- —
4	100 lbs.	3.50	- —

Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.

Chlorine

The addition of sodium metasilicate recently has been suggested as a means of increasing the bleaching efficiency of chlorine in sulfite pulp, according to the Bureau of Mines. It is claimed that 15 to 40 percent of the chlorine required for bleaching may be saved by adding 0.5 to 1 percent of hydrated sodium metasilicate, based upon the dry weight of the pulp.

These possible savings are especially important at [illegible] when supplies of chlorine are urgently needed for war industries. Moreover, the increased efficiency of chlorine bleach will be most welcome to peacetime industry in reducing the cost of bleached pulp and paper. It has been found, however, that sodium metasilicate does not act as efficiently on such other types of pulp as sulphite pulps or soda pulps. Research work indicating the fundamental reason for the action of the silicate may lead to methods of improving the bleaching efficiency of chlorine in other pulps than the sulphite type.

Due to the current shortage of chlorine, WPB is urging all producers of bleached pulp to make due allowances in preparing their schedules of tonnages to be bleached monthly in connection with Order M-93.

The 1941 production of chlorine has been estimated at about 735,000 tons, indicating a marked increase over the 1940 production, estimated at 650,000 tons. It is expected that further expansion of chlorine output will be effected during the next few years to meet the demands of the enormously expanded synthetic rubber program and other war industries.

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Soda, sequisilicate, dms., c.l., works..100 lbs. 3.05 - —
10 bbls. or over, divd. N.Y.C. 100 lbs. 4.05 - —
1-9 bbls.....100 lbs. 4.30 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works. 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
tanks, wks.....ton.13.00 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works. 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
tanks, wks.....ton.25.00 - —
Silicofluoride, dom., bbls....lb. .09 - .14½
Stannate, dms.....lb. .33½- .36½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or over, works. 100 lbs. 1.95 - 2.15
less than 5 tons, works... 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
N. F. VI, exsiccated, powd., bbls..lb. .07 - .07½
U.S.P. cryst., gran., bbls..lb. .10 - .10½
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., 5 tons or over, divd. 100 lbs. 2.90 - —
less than 5 tons, divd. 100 lbs. 3.15 - —
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., 5 tons or over, divd. 100 lbs. 3.65 - —
less than 5 tons, divd. 100 lbs. 3.90 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, gran., bbls., dms..lb. .26 - .28
Sulphocyanide, C.P., dms....lb. .55 - .65
Sulphonydrate, liquid, 38%, basis, 100% dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works..lb. .08 - —
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinolate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. 1.35 - 1.50
Soda-Formaldehyde, sulphoxylate, standard cont. (125-250 lbs.), lb. .19 - .22
Solvent, naphtha,[2] dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
W. Coast, f.o.b. Minequa, Colo..gal. .27 - —
high-flash, dms., works...gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
Sorbitol, com'l. dms., works..lb. .17½- —
Soybean meal, 41%, sacks....ton.45.00 - —
protein, alpha, bgs., c.l., works, lb. .20 - —
l.c.l., 10-20 tons, works....lb. .20½- —
100-20,000 lbs., works.....lb. .20½- —
smaller lots, works.....lb. .24 - —
Sparteine sulphate, bots. cns..oz. 3.25 - 3.90
Spearmint leaves, bls.....lb. .25 - .32
Spikenard root, bls.....lb. .17 - .18
Spruce extract, reg., bbls., c.l., works..lb. .02¾- —
tanks, works.....lb. .01¾- —
powd., super, bgs., c.l., works, lb. .04¼- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. .85 - .88
White, bls.....lb. .18 - .20
powd., bbls., bxs.....lb. .28 - .48
St. Ignatius beans, bgs.....lb. .43 - .60
St. John's Bread, edible, bls., lb. .24 - .35
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 3.10 - —
divd., N. Y.....100 lbs. 3.47 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.20 - —
divd., N. Y.....100 lbs. 3.57 - —
Potato, dom., bgs., c.l.....lb. .0637- —
l.c.l. .....lb. .0760- —
import, bgs.....lb. No prices
rice, bgs.....lb. .09 - .10
Sweetpotato, bgs.....lb. .06¼ Nom.
bbls. .....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .40
Stearin, oleo.....lb. .1054- —
Stillingia root, bls.....lb. .11 - .12
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 2.90 Nom.
Stramonium leaves, bls.....lb. .29 - .36
seed, bgs.....lb. .20 - .21
Strontium bromide, cns.....lb. .53 - .56
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 95% precip., bbls.....lb. .25 Nom.
Chloride, tech., bbls.....lb. .23 - .25
Iodide, bots, 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Oxalate, bbls.....lb. .44 - —
Strophanthus seed, Kombe, bgs.lb. 2.75 - 3.95
Strolyl, acetate, bots.....lb. 3.10 - 3.25
Strychnine, cryst., cns., 100-oz. lots..oz. .70 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .75 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .58 - —
powd., cns., 100-oz. lots.oz. .48 - —
Sucrose Octa-acetate, C.P. grade, bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.40
Milk, bbls., c.l.....lb. .25 - —
l.c.l., 10 or over.....lb. .26 - —
less than 10.....lb. .27 - —
Sulfadiazine, tablets, bots., 50's, ea. 4.86 - —
100's, ...ea. 8.46 - —
1,000's .....ea.72.00 - —
Sulfaguanidine, 3.5-gm. bot..doz. 2.50 - —
4-oz. bots.....ea. 8.10 - —
1-lb. bots.....ea.30.00 - —

Sulfanilamide, 5 lbs., bots....lb. 1.45 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.00 - —
100 lbs.....lb. 1.05 - —
25-lb. lots.....lb. 1.20 - —
Sulfapyridine, powd., bots., tins.. lb. 7.50 - 8.00
Sulfathiazole, 1,000-lb. lots., dms., lb. 5.00 - —
500-lb. lots, dms.....lb. 5.10 - —
100-lb. lots, dms.....lb. 5.15 - —
25-lb. tins.....lb. 5.30 - —
1-5-lb. bots.....lb. 5.50 - —
Sesquihydrate, prices same as sulfathiazole.
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
flowers, USP, bgs., c.l....100 lbs. 3.30 - —
l.c.l. .....100 lbs. 3.50 - —
bbls., c.l.....100 lbs. 3.65 - —
l.c.l. .....100 lbs. 4.15 - —
flour, comm'l bgs., c.l....100 lbs. 1.90 - —
l.c.l. .....100 lbs. 2.40 - —
refined, cast, bgs., c.l....100 lbs. 2.45 - —
l.c.l. .....100 lbs. 2.95 - —
heavy, USP, bgs., c.l..100 lbs. 2.85 - —
l.c.l. .....100 lbs. 3.35 - —
bbls., c.l.....100 lbs. 3.20 - —
l.c.l. .....100 lbs. 3.70 - —
light, ref'd, USP, bgs., c.l., 100 lbs. 2.95 - —
l.c.l. .....100 lbs. 3.45 - —
bbls., c.l.....100 lbs. 3.30 - —
l.c.l. .....100 lbs. 3.80 - —
lumps., bgs., c.l.....100 lbs. 2.45 - —
l.c.l. .....100 lbs. 2.95 - —
bbls., c.l.....100 lbs. 2.80 - —
l.c.l. .....100 lbs. 3.30 - —

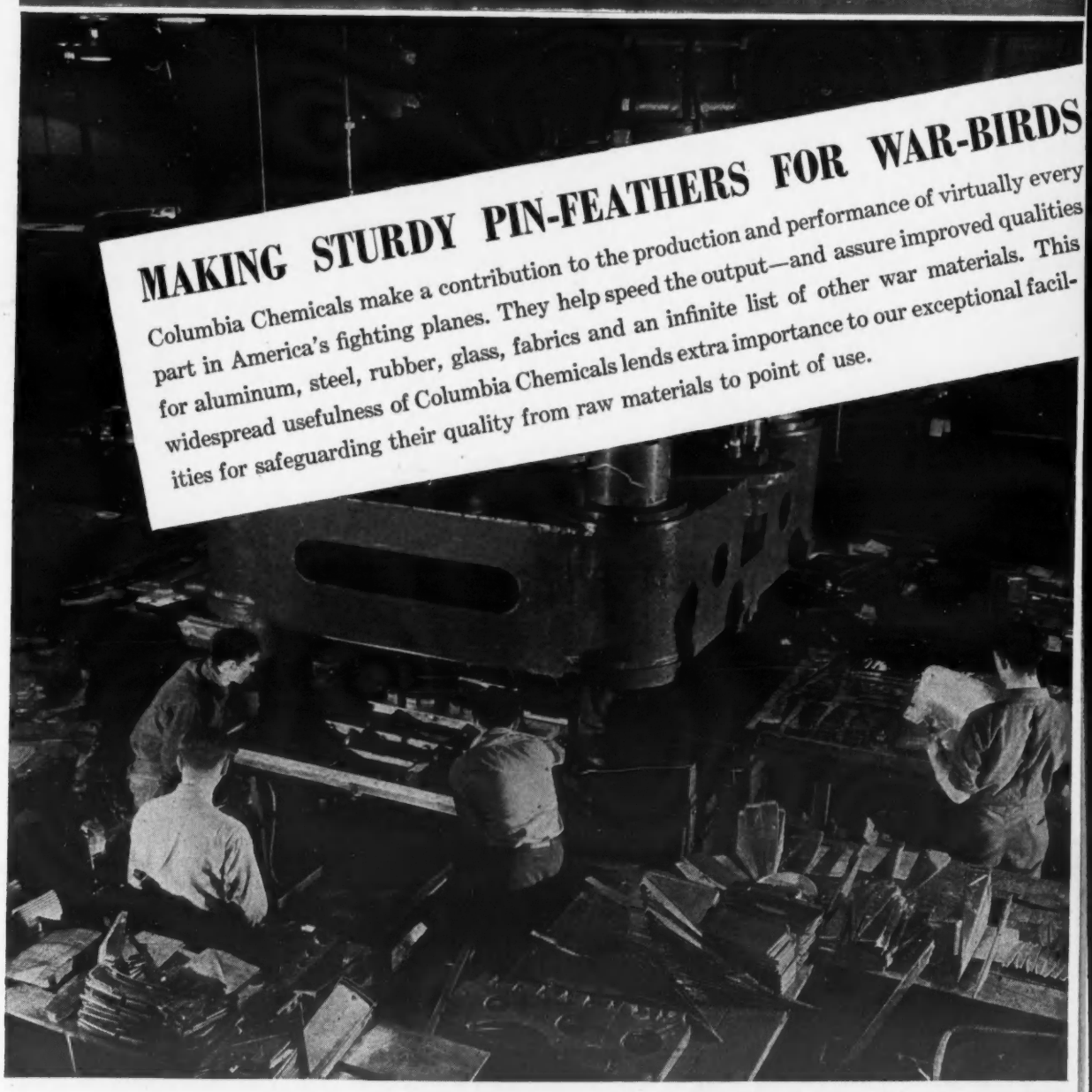
Sulphur, refd., roll, bgs., c.l. 100 lbs. 2.65 - —
l.c.l. .....100 lbs. 3.15 - —
Prices at the mine for various grades refined sulphur 50c. less per 100 pounds.
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.20 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.55 - —
Chloride, 55-gal. dms., c.l...lb. .03 - .03½
l.c.l., dms., works....lb. .04 - .04½
10-gal. dms., c.l.....lb. .07 - .07½
l.c.l. .....lb. .08 - .08¼
Dioxide, liquid, com'l., cyls works..lb. .07 - .08
multi-unit, cars, works..lb. .04½- .06
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .13 - .21
multi-unit, cars, works..lb. .06½- —
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
extract, bbls., No. 1.....lb. .08 - —
No. 2.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .12 - .13
Sunflower seed, Calif., large, bgs., lb. .0660- .0700
medium, bgs.....lb. .05¾- .06
poultry .....lb. .0510- .0550
Superphosphate, run-of-pile, basis 16% a.p.a., bulk, f.o.b. cars, net ton. 9.60 -10.24
guaranteed 16% a.p.a., bulk, plus flattening charge of 50c. unit-ton. .63½- .67½
net ton.10.10 -10.74

Superphosphate, guaranteed, 20% a.p.a., bulk, same basis, spot..unit-ton. .63¾- .68
net-ton.12.75 -13.60
triple, bulk, f.o.b. cars, Balto., spot..unit-ton. .80 - .85

T

Talc, dom., aluminum flake-type, grd., c.l..ton.12.50 -24.50
l.c.l. .....ton.16.50 -30.00
Calif., c.l.....ton.17.50 -43.00
N. Y., fibrous, 325 mesh, 93-94%, c.l..ton.13.00 -18.00
99-99½%, c.l.....ton.15.25 -19.25
99.95%, c.l.....ton.17.00 -21.00
coarse, off-color, c.l.....ton.13.00 - —
Pennsylvania, c.l.....ton.11.00 -13.50
l.c.l. .....ton.12.00 -14.50
Vermont .....ton.14.00 - —
l.c.l. .....ton.15.00 - —
imp., Canadian, c.l., divd. N. Y. ton.24.00 -30.00
French .....ton. No prices
Italian .....ton. No prices
Talc, domestic, is quoted at the mills in bag packaging.
Tallow,[1,8] extra, loose.....lb..0971¼- —
sulphonated, 35% (24% fat), dms., c.l..lb. .05¾- —
special, loose.....lb..0957⅜- —
l.c.l. .....lb. .06⅜- —
50% (43% fat), dms., c.l..lb. .06⅞- —
l.c.l. .....lb. .07⅜- —
50% (48% fat), dms., c.l..lb. .07⅜- —
l.c.l. .....lb. .08¾- —

COLUMBIA CHEMICALS


MAKING STURDY PIN-FEATHERS FOR WAR-BIRDS
Columbia Chemicals make a contribution to the production and performance of virtually every part in America's fighting planes. They help speed the output—and assure improved qualities for aluminum, steel, rubber, glass, fabrics and an infinite list of other war materials. This widespread usefulness of Columbia Chemicals lends extra importance to our exceptional facilities for safeguarding their quality from raw materials to point of use.

ESSENTIAL INDUSTRIAL CHEMICALS

SODA ASH • CAUSTIC SODA • SODIUM BICARBONATE • LIQUID CHLORINE • SILENE* CALCIUM CHLORIDE • SODA BRIQUETTES MODIFIED SODAS • CAUSTIC ASH • PHOSFLAKE CALCENE** • CALCIUM HYPOCHLORITE

*Precipitated Calcium Silicate **Precipitated Calcium Carbonate

PITTSBURGH PLATE GLASS COMPANY
COLUMBIA CHEMICAL DIVISION
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.
CHICAGO • BOSTON • ST. LOUIS • PITTSBURGH • CINCINNATI
CLEVELAND • MINNEAPOLIS • PHILADELPHIA • CHARLOTTE

Tamarind, No. 1, bbls.....lb. .10 - .12
kegs .....lb. 7.4.. - —
Tankage, dom., fertilizer, animal, grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 4.50 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 4.00 & .10
feeding, unground, 9-11% ammon., bulk, basis N. Y., unit-ton. 4.96 - —
high-grade, bulk, Chicago... unit-ton. 5.37 - —
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. port..unit-ton. 5.25 & .10 Nom
Tansy leaves, bls.....lb. .23 - .24
Tapioca flour, Brazil, bgs.....lb. .03¾- .03½
Java, bgs.....lb. .04¾- .07¼
Tar acid oil,[6] 16%, dms., c.l., works..gal. .27½- —
l.c.l., same basis.....gal. .29½- —
25%, dms., c.l., works.....gal. .31½- —
l.c.l., same basis.....gal. .33½- —
Tar, pine, retort, dms., dlvd. E. cities..gal. .33 - —
tanks, dlvd. E. cities....gal. .24½- —
Tarragon herb, bgs.....lb. 1.75 - 1.90
Tartar emetic, tech., fine gran. or powd., bbls., kgs., 5 or more..lb. .47¾- —
less than 5.....lb. .48 - —
dms. .....lb. .48½- .51
USP, powd., bbls.....lb. .52¾- .53
Terpinyl acetate, cns.....lb. .87 - —
dms. .....lb. .85 - —
Terpin hydrate, cryst., bbls., dms., lb. .70 - .72
powd., bbls., dms.....lb. .75 - .77
Terpineol, CP, dms.....lb. .43 - —
alpha, denat. grade, dms., c.l., works, net wght..lb. .17 - —
Terra alba (see Gypsum).
Tetrachlorethane, dms., works..lb. .08 - 08½
Tetrachlorethylene, CP, dms...lb. .21½- —
tech. (see Perchlorethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine .....lb. 2.65 - —
Sodiosalicylate, dms.....lb. No prices
Thiamine hydrochloride, bots., cns., gram. .41 - .44
Thiocarbanilide, dms.....lb. .24 - —
Thio urea, CP, dms.....lb. .55 - .56
Thorium, nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .89 - 1.62
Morocco, bls.....lb. .21 Nom.
Spanish, bls.....lb. .26½- .27
Thymol, cns., 25 lbs.....lb. 3.00 Nom.
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo root (see Cube root).
Tin chloride (ous), anhy.....lb. .48 - .48½
Crystals, bbls., bgs.....lb. .39 - .39½
Metal,[1,6] Straits.....lb. .52 - —
Oxide, bbls.....lb. .55 - —
Tetrachloride, anhyd., bbls...lb. No prices
Titanium,[1] dioxide, bgs., c.l. (20 tons)..lb. .14½- —
l.c.l., 5 tons, single delivery, lb. .14¾- —
1,000-9,999 lbs.....lb. .15 - —
50-999 lbs.....lb. .15¼- —
bbls., c.l. (20 tons).....lb. .14¾- —
l.c.l., 5 tons, single delivery, lb. .15 - —
1,000-9,999 lbs.....lb. .15¼- —
50-999 lbs.....lb. .15½- —
non-chalking, bgs., c.l. (20 tons), lb. .16½- —
l.c.l., 5 tons, single delivery, lb. .16¾- —
1,000-9,999 lbs.....lb. .17 - —
50-999 lbs.....lb. .17¼- —
bbls., c.l. (20 tons).....lb. .16¾- —
l.c.l., 5 tons, single delivery, lb. .17 - —
1,000-9,999 lbs.....lb. .17¼- —
50-999 lbs.....lb. .17½- —
chalk-resistant, bgs., c.l. (20 tons)..lb. .15 - —
l.c.l., 5 tons, single delivery, lb. .15¾- —
1,000-9,999 lbs.....lb. .15½- —
50-999 lbs.....lb. .15¾- —
bbls., c.l. (20 tons).....lb. .15 - —
l.c.l., 5 tons, single delivery, lb. .15½- —
1,000-9,999 lbs.....lb. .15¾- —
50-999 lbs.....lb. .16 - —
barium or magnesium base, bgs., c.l. (20 tons)..lb. .05¾- —
l.c.l. .....lb. .06 - —
bbls., c.l. (20 tons).....lb. .06 - —
l.c.l. .....lb. .06¼- —
calcium base, bgs., c.l. (20 tons), lb. .05½- —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05½- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses. Pacific Coast prices are ¼c. per lb. higher than the above.

Toluidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. 1.00 - 1.05
Toluidin, mixed, dms.....lb. .26 - —
Toluol,[2,3,6] (toluene), 2° indus., dms., returnable..gal. .33 - —
tanks, E. of Omaha, frt. alld., gal. .28 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .28 - —
1° nitration,[6] dms., returnable, gal. .34½- —
tanks, E. of Omaha, frt. alld., gal. .29½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .29½- —
Tonga, NF, 50% bark and vine, bls..lb. .90 - .95
Tonka beans, Angostura, cks..lb. 2.50 - 3.00
Brazilian, Surinam, cs .lb. 95 - 1.10
Tonka beans, Angostura, cks..lb. 2.50 - 3.00
Brazilian, Surinam, cs.....lb. .95 - 1.10
Triacetin, dms.....lb. .26 - —
Trimyl borate, dms., l.c.l., works, lb. .33 - —
Triamylamine, dms., c.l., works, lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributylamine, dms., c.l., works, lb. .78 - —
l.c.l. .....lb. .81 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .34 - —
single dms.....lb. .36 - —
smaller lots.....lb. .45 - —
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
tanks .....lb. .07½- —
Trichlorethylene,[3] Zone 1, dms., c.l., works, frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, c.l., works, frt. alld..lb. .09 - —
l.s.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Ida., Ore., Nev., Wash., Utah and Cal.

Tricresylphosphate,[3] CP, cns., works..lb. .43½- .54½
dms., c.l., dlvd.....lb. .37½- —
smaller lots, works.....lb. .40½- —
Tech., cns., works.....lb. .28½- .45½
dms., c.l., dlvd.....lb. .25 - .31
smaller lots, works.....lb. .25½- .31½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.16 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .29 - —
single dms.....lb. .31 - —
Triethyl phosphate, cns.....lb. .45 - —
smaller lots.....lb. .40 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate,[2] bbls....lb. .31 - .32
Tripoli, air-floated, bgs., c.l., works..ton. 21.50 - —
double grd., bgs., c.l., works, ton. 17.50 - —
once-grd., bgs., c.l., wks..ton. 16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root (see Derris root).
Tunsten metal powd.,[2,3] 90%, dms., works..lb. 2.60 - —
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .15 - .16
Madras, bgs.....lb. .17 - .17½
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .74 - —
l.c.l., 10 ex dock..gal. .76 - —
5 ex dock.....gal. .78 - —
wood, dest., dist., dms., dlvd. E. cities..gal. .60 - .65
tanks .....gal. .55 - —
steam-dist., dms., c.l., dlvd.. gal. .63 - —
l.c.l., dlvd.....gal. .66 - —
tanks, dlvd.....gal. .58 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs.....lb. 2.55 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Urea, dom., 46% N., bgs., 26 tons, f.o.b. Belle, W.Va., Metropolitan New York, Phila., Wilmington, Del., Baltimore, Wilmington, N. C., Charleston, Savannah, Jacksonville....ton. 80.00 - —
l.c.l., f.o.b. Belle, W. Va. ton. 82.50 - —
5-19 tons, f.o.b. Boston, New York, Philadelphia, Wilmington, Del., Baltimore..ton. 85.00 - —
less than 5 tons, f.o.b. New York, Phila..ton. 90.00 - —
import, 40% N., bgs., 5 tons, f.o.b. Atl. Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea fertilizer compound, basis 42% N., bulk, c.l., f.o.b. Belle, W. V., or Atl., Gulf ports..ton. 57.40 - —
Urea-ammonia liquor, basis 45% N., tanks, f.o.b. Belle, W.Va., or Atl., Gulf ports..ton. 121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports, ton. 127.00 - —
Uva ursi leaves, bls.....lb. .25 - .27

V

Valerian root, Belgian, bls.....lb. 1.69 - —
Eastern, bls.....lb. 1.38 - —
Valonia, beards, bgs., f.a.s...ton. No prices
cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. No prices.
Mexican, tins.....lb. 16.00 -17.00
cuts, tins.....lb. 14.00 -16.00
South American, tins.....lb. No prices.
Tahiti, tins.....lb. 6.50 - 6.75
Vanillin, ex eugenol, 25-lb. tins. lb. 2.00 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex-guaicol, 25-lb. tins.....lb. 2.35 - —
5-lb. tins.....lb. 2.40 - —
1-lb. tins.....lb. 2.50 - —
ex lignin, any quantity, 25-lb. tins..lb. 2.35 - —
5-lb. tins.....lb. 2.40 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs...lb. No prices.
artificial, cs.....lb. .24 - .25
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .15 - —
l.c.l., works.....lb. .16 - —
5 gals., dms., works.....lb. .25 - —
Ether, 75 c.c.....bot. 1.30 - —
50 c.c.....bot. .73½- —
25 c.c.....bot. .45½- —
Vitamin B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex (see Rice bran).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut liver).
E (see Alpha Tocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic; acid, nicotinic amide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum, naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .49 - .50
tree .....lb. .28 - .30
Wattle bark, bgs., f.a.s.....ton. 41.00 -43.00
Extract, solid, bgs.....lb. .04475-.0460
liquid, tanks.....lb. .05 - —
bbls. .....lb. .05¾- —
Wax, amorphous, group 3, at refineries; 160-165, amber..lb. .15½- —
black .....lb. .14 - —
white .....lb. .26 - —
180-185, amber.....lb. .17½- —
black .....lb. .16 - —
white .....lb. .30 - —
Bayberry, bgs.....lb. .18 - .20
Bees,[2] white, bleach, slabs..lb. .61 - —
cakes, cs.....lb. .62 - —
discs, cs.....lb. .63 - —
yellow, crude, Africa.....lb. .49 - —
Brazilian, Chilean, bgs..lb. .50 - —
refd., slabs, cs., lbs.....lb. .59 - .60
Candelilla,[3] bgs., 1 ton.....lb. .38 - —
Carnauba,[2] No. 3 chalky, bgs., lb. .77 - .78
No. 2, N.C., bgs.....lb. .84 - .85
N.C., 3, bgs.....lb. .78 - .79
refined, bgs.....lb. .85 - .86
yellow, No. 1, bgs.....lb. .88 - .89
No. 2, bgs.....lb. .87 - .88
Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .13¼- .14
jobbing lots.....lb. .14½- .15
150°-160° m.p., bgs., 1 ton..lb. .15½- .16
jobbing lots.....lb. .16½- .17
160° m.p., bgs., 1 ton.....lb. .16½- .17
jobbing lots.....lb. .17½- .18
Wax, Japan, cs.....lb. .40 - .45
Montan, bgs.....lb. .45 - .46
Ouricury,[2] bgs.....lb. .55 - .62
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. No stocks
70°-72° C., bgs.....lb. No stocks
74°-76° C., bgs.....lb. No stocks
snow-white, pure, 76°-78° C., bgs..lb. No stocks
yellow, natural, 76°-78° C., bgs..lb. No stocks
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .26 - .27
cakes, cs.....lb. .27 - .28
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .08 - .09
White precipitate,[2] powd., dms., 50 lbs. or more..lb. 2.84 - —
Whiting, chalk, dry-grd., c.l..ton. 18.00 -22.00
l.c.l. .....ton. 20.00 -24.00
wet-grd., c.l.....ton. 21.00 -25.00
gilders, bolted, c.l.....ton. 20.00 -24.00
l.c.l. .....ton. 21.00 -24.00
extra bolted, c.l.....ton. 22.00 -26.00
l.c.l. .....ton. 23.00 -27.00
Paris white, c.l.....ton. 24.00 -28.00
l.c.l. .....ton. 25.00 -29.00
Limestone, airfloated, 99½%, 250 mesh, c.l..ton. 9.35 -10.10
200 mesh, c.l.....ton. 8.60 - 9.50
99%, 200 mesh, c.l.....ton. 6.25 - 7.00
gilders', c.l.....ton. 11.50 -13.00
l.c.l. .....ton. 12.50 -16.00
water-floated, gilders' putty grade, c.l..ton. 12.00 -13.00
l.c.l. .....ton. 13.00 -16.00
precipitated, c.l.....ton. 14.00 -15.00
l.c.l. .....ton. 18.00 -25.00
dry ground, 325 mesh, 30 tons, f.o.b. plants..ton. 6.00 - —
l.c.l., up to 5 tons.....ton. 7.00 - —
l.c.l., less than 5 tons..ton. 9.00 - —
Wild cherry bark, thick, natural, bls..lb. .05½- .06
rossed, bls.....lb. .15 - .18
thin, natural, bls.....lb. .09½- .10
rossed, green, bls.....lb. .12 - .15
Wild indigo root, bls.....lb. .22 - .23
Witch-hazel extract, dist., NF, bbls..gal. .72 - .75
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 40 mesh, c.l., f.o.r. North Tonawanda N.Y.. ton. 20.00 - —
60 mesh, same basis....ton. 24.00 - —
80 mesh, same basis....ton. 27.00 - —
100 mesh, same basis...ton. 30.00 -32.00
Bags, extra, 25c. each; must be returned for credit. Carload freight to New York, N. Y., 29c. per 100 lbs.
Import, 70 mesh, bgs., ex dock, ton. No prices
80 mesh, bgs., ex dock...ton. No prices
100 mesh, bgs., ex dock...ton. No prices
120 mesh, bgs., ex dock...ton. No prices
Wormseed, American, bgs.....lb. .08 - .09
Levant, bgs.....lb. No prices
Wormwood, bls.....lb. .50 - .60

X

Xylol[2] (xylene), indus., dms., returnable, works..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. of Coast, f.o.b. Minnequa, Colo..gal. .27 - —
10°, dms., returnable, works... gal. .35 - —
tanks, E. of Omaha, frt. alld., gal. .30 - —
5°, dms., returnable, works.gal. .42 - —
tanks, E. of Omaha, frt. alld., gal. .37 - —
3°, dms., returnable, works.gal. .47 - —
tanks, E. of Omaha, frt. alld., gal. .42 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.80 - 1.85
Yellow,[2] arsenic sulphide, dom., bbls., f.o.b. New York..lb. .52 - .55
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .20 Nom.
Benzidine, bbls., dlvd.....lb. 1.35 - 2.25
Cadmium, CP, import, bxs..lb. 1.35 - 1.40
lithopone, primrose, lemon, golden and standard orange, ton lots, bbls....lb. .55 - —
400-2,000 lbs., bbls., lb. .60 - —
100-300 lbs., pkgs..lb. .65 - —
Yellow cadmium lithopone prices are f.o.b. Balto. or whse. points, transportation prepaid or allowed E. of Rockies.
Yellow, cadmium, sulphide, orange, canses, works....lb. 1.10 Nom.
Chrome, CP, bbls., dlvd. No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .16½- —
Chrome yellow, CP, prices are dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis chrome, lb. 1.37 - —
primrose shade, bbls., same basis chrome..lb. 1.75 - —
Mercury, oxide, tech., bbls., 1,000 lbs..lb. 2.87 - —
smaller lots.....lb. 2.89 - —
Ocher, American, golden, bbls., works..lb. .04½- .06½
yellow, bbls, works....lb. .02 - .02¼
French type, bbls., c.l....lb. .0345- —
l.c.l. .....lb. .0365- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton..lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth., bbls., c.l., works...lb. .07 - —
l.c.l., same basis.....lb. .071 - —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .1750- .1785
open order.....lb. .1750- .1785
Navy specifications type, contracts..lb. .1750- .1785
open order.....lb. .1750- .1785
Yellow dock root, dom., bls...lb. .16 - .23
Yellow root (xanthoriza), bls...lb. .11 - .13
Yerba santa leaves, bls.....lb. .15 - .16
Yohimbine hydrochloride, viz..oz. 3.00 - 5.75

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs, works..lb. .25 - —
Zinc,[1,2,3] Metal (see Paint market).
acetate, tech., bbls., dlvd....lb. .16 - .17
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .20
USP, precip., powd., bbls..lb. .32½- —
25-lb. dms.....lb. .37½- —
kgs. .....lb. .34½- —
Chloride, tech., fused, dom., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
gran., dms., c.l., works.... 100 lbs. 5.75 - —
l.c.l., dms., wks..100 lbs. 6.50 - —
USP, 100-lb. dms.....lb. .30 - .31
25-lb. jars.....lb. .36 - —
solut., 50%, dms., c.l., works, lb. .0315- —
l.c.l., works.....lb. .04¼- .04½
tanks, works.....lb. .0250- —
Cyanide, kgs., works.....lb. .33 - .37
Dust, bbls., c.l., dlvd.....lb. .1035- —
l.c.l., bbls., f.o.b. works...lb. .1135- —
Iodide, NF, bots.....lb. 4.54 - —
jars .....lb. 4.40 - —
Fluoride, bbls.....lb. .25 - .30
Metal (see daily quotations in Market report).
Oxide,[2] pigment, dom., acidular type, bgs., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
bbls., c.l., dlvd.....lb. .07½- —
l.c.l., dlvd.....lb. .07¾- —
American process, lead-free, bgs., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
bbls., c.l., dlvd....lb. .07½- —
l.c.l., dlvd.....lb. .07¾- —
leaded, 5%, bgs., c.l., dlvd. lb. .07¼- —
l.c.l., dlvd.....lb. .07¾- —
bbls., c.l., dlvd....lb. .07¾- —
l.c.l., dlvd.....lb. .07¾- —
35% or more, bgs., c.l., dlvd..lb. .07 - —
l.c.l., dlvd.....lb. .07¼- —
bbls., c.l., dlvd....lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
Prices on West Coast ½c. per lb. higher.
French process, com'l, lead free, bgs., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
bbls., c.l., dlvd....lb. .07½- —
l.c.l., dlvd.....lb. .07¾- —
green seal, bgs., c.l., dlvd., lb. .09 - —
l.c.l., dlvd.....lb. .09¼- —
bbls., c.l., dlvd....lb. .09¼- —
l.c.l., dlvd.....lb. .09½- —
red seal, bgs., c.l., dlvd., lb. .08½- —
l.c.l., dlvd.....lb. .08¾- —
bbls., c.l., dlvd....lb. .08¾- —
l.c.l., dlvd.....lb. .09 - —
white seal, bgs., c.l., dlvd., lb. .09½- —
l.c.l., dlvd.....lb. .09¾- —
bbls., c.l., dlvd....lb. .09¾- —
l.c.l., dlvd.....lb. .10 - —
Imported, gold seal, cks., ex whse..lb. No prices
green seal, bbls., ex whse. lb. No prices.
white seal, cks., ex whse.lb. No prices.
USP, c.l., 50-lb. bgs.....lb. .10½- —

Zinc oxide prices in l.c.l. are ¼c. higher.
Lead-free and 5% and 35% leaded zinc oxide in car lots are ½c. per lb. higher delivered Pac. Cst., and in less car lots are ¼c. per lb. higher ex whse. Pac. Cst.; 50% leaded is 5.6c. per lb. higher for car lots delivered Pac. Cst.

Palmitate, bbls.....lb. .32 - .33
Resinate, fused, pale, bbls...lb. .11 - .12
precip., dms., dlvd.....lb. .15 - —
Silicofluoride, bbls.....lb. .15 - .18
Stearate, tech., precip., or USP, ton lots..lb. .30 - —
less than ton lots.....lb. .31 - —
Sulphate, cryst., bgs., c.l. 100 lbs. 3.60 - —
l.c.l. .....100 lbs. 4.35 - —
bbls., c.l.....100 lbs. 3.85 - —
l.c.l. .....100 lbs. 4.60 - —
flake, bgs., c.l.....100 lbs. 4.10 - —
l.c.l. .....100 lbs. 4.85 - —
bbls., c.l.....100 lbs. 4.35 - —
l.c.l. .....100 lbs. 4.80 - —
powd., bgs., c.l.....100 lbs. 5.80 - —
l.c.l. .....100 lbs. 6.55 - —
bbls., c.l.....100 lbs. 6.05 - —
l.c.l. .....100 lbs. 6.80 - —

Zinc, sulphide, pure,[1] bgs., c.l., (20 tons), dlvd..lb. .08¼- —
l.c.l., dlvd.....lb. .08½- —
bbls., c.l. (20 tons), dlvd..lb. .08½- —
l.c.l. .....lb. .08¾- —
barium, pigment, bgs., c.l., dlvd..lb. .0560- —
l.c.l., dlvd.....lb. .0585- —
calcium pigment, bgs., c.l., dlvd..lb. .0560- —
l.c.l., dlvd.....lb. .0585- —
magnesium, pigment, bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Zinc sulphide delivered to Pac. Cst. is ¼c. per lb. higher for the pure and ½c. for the others.
Sulphocarbolate, NF, bbls., dms. lb. .24 - .25
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.65 - —
l.c.l., works.....100 lbs. 6.70 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd., E. of Rockies. lb. .06¼- —
dlvd. Pac. cst.....lb. .06½- —
ex whse., Pac. cst....lb. .07 - —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, gr., bbls., works..ton.75.00 -100.00
white, 98%, grd., kgs., works. lb. 1.80 - 2.00

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

A

Abalyn (methyl abietate), c.l., dms., f.o.b. cars, destination, zone 1..lb. .07½- —
l.c.l., lots of 10 dms., same basis..lb. .08¾- —
single dms., same basis....lb. .09¾- —
smaller lots, same basis....lb. .14¾- —
Aroclors, distilled, dms., c.l., works..lb. .23 - —
ton lots, works.....lb. .25 - —
single dms., works.....lb. .27 - —
undistilled, dms., c.l., works.lb. .18 - —
ton lots, works.....lb. .20 - —
single dms., works.....lb. .22 - —

B

Bakelite, alkyd resins, BR, 10025, bbls., 30,000 lbs., works..lb. .28 - —
15,000 lbs., works.....lb. .28½- —
5,000 lbs., works.....lb. .29 - —
carbic anhydride base, oil modified, BR, 14590, 30,000 lbs., works..lb. .26 - —
15,000 lbs., works.....lb. .26½- —
5,000 lbs., works.....lb. .27 - —
resin modified, BR., 13202, bbls., 30,000 lbs., works.lb. .15 - —
15,000 lbs., works.....lb. .15½- —
5,000 lbs., works.....lb. .16 - —
Bakelite, dispersion resin, BK, 3962, dms., 30,000 lbs., works..lb. .2770- —
15,000 lbs., works.....lb. .2820- —
5,000 lbs., works.....lb. .2870- —
lacquer, BR, 9366, dms., 30,000 lbs., works..lb. .18½- —
15,000 lbs., works.....lb. .19 - —
5,000 lbs., works.....lb. .19½- —
XJ, 10433, dms., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .37½- —
5,000 lbs., works.....lb. .38 - —
XR, 3180, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .45½- —
5,000 lbs., works.....lb. .46 - —
4357, dms., 30,000 lbs., works lb. .45 - —
15,000 lbs., works.....lb. .45½- —
5,000 lbs., works.....lb. .46 - —
phenolic, 100%, BR, 254, bbls., 30,000 lbs., works..lb. .42 - —
15,000 lbs., works.....lb. .42½- —
5,000 lbs., works.....lb. .43 - —
3360, bbls., 30,000 lbs., works..lb. .36 - —
16,000 lbs., works.....lb. .36½- —
5,000 lbs., works.....lb. .37 - —
4036, bbls., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .37½- —
5,000 lbs., works.....lb. .38 - —
9432, bbls., 30,000 lbs., works..lb. .31 - —
15,000 lbs., works.....lb. .31½- —
5,000 lbs., works.....lb. .32 - —
9434, bbls., 30,000 lbs., works..lb. .25½- —
15,000 lbs., works.....lb. .26 - —
5,000 lbs., works.....lb. .26½- —
10282, bbls., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works.....lb. .32½- —
5,000 lbs., works.....lb. .33 - —
14634, bbls., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works.....lb. .30½- —
5,000 lbs., works.....lb. .31 - —
oil modified, BR, 302, bbls., 30,000 lbs., works..lb. .3460- —
15,000 lbs., works.....lb. .3510- —
5,000 lbs., works.....lb. .3560- —
2175, cns., 30,000 lbs., works..lb. .38 - —
15,000 lbs., works.....lb. .38½- —
5,000 lbs., works.....lb. .39 - —
resin modified, BR., 2963, bbls., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23 - —
11504, bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works.....lb. .18½- —
5,000 lbs., works.....lb. .19 - —

C

"Cumar" resin, AX.....lb. .06¼- —
BX .....lb. .06¼- —
CX, gross weight.....lb. .05¾- —
DX, gross weight.....lb. .05¼- —
EX, gross weight.....lb. .05¼- —
FX, gross weight.....lb. .05¾- —
Cumar, MH col. 1.....lb. .11¾- —
1½-2 .....lb. .10¾- —
2½-3½ .....lb. .09¾- —
9 .....lb. .06½- —
MS .....lb. .10¾- —
Cumar, P 10°-90° C., col. 2½ and darkerlb. 10¾- —
RH .....lb. .10¾- —
RS .....lb. .10¾- —
V col. ½.....lb. .12¾- —
1 .....lb. .11¾- —
1½-2 .....lb. .10¾- —
2½ and darker.....lb. .09¾- —
W col. ½.....lb. .13½- —
1 .....lb. .12½- —
1½-2 .....lb. .11½- —
2½ and darker.....lb. .10½- —

"Cumar" resin prices apply in dms., f.o.b. Frankford, Pa., freight equalized with Pittsburgh.

D

Durite, 1301, pale, one drum and over..lb. .29 - —
smaller lots.....lb. .30 - —

Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, alkyd solution, A, c.l., dlvd..lb. .15½- —
10 dms. or more, dlvd....lb. .16 - —
9 dms. or less, dlvd....lb. .16½- —
B, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
E, c.l., dlvd.....lb. .16 - —
10 dms. or more, dlvd....lb. .16½- —
9 dms. or less, dlvd....lb. .17 - —
H-1, c.l., dlvd.....lb. .19 - —
10 dms. or more, dlvd....lb. .19½- —
9 dms. or less, dlvd....lb. .20 - —
PV, c.l., dlvd.....lb. .16¾- —
10 dms. or more, dlvd....lb. .17¼- —
9 dms. or less, dlvd....lb. .17¾- —
11, c.l., dlvd.....lb. .16 - —
10 dms. or more, dlvd....lb. .16½- —
9 dms. or less, dlvd....lb. .17 - —
22, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
22-B, c.l., dlvd.....lb. .10½- —
10 dms. or more, dlvd....lb. .11 - —
9 dms. or less, dlvd....lb. .11½- —
33, c.l., dlvd.....lb. .15½- —
10 dms. or more, dlvd....lb. .16 - —
9 dms. or less, dlvd....lb. .16½- —
44, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
44-B, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
85, c.l., dlvd.....lb. .15½- —
10 dms. or more, dlvd....lb. .16 - —
9 dms. or less, dlvd....lb. .16½- —
502, c.l., dlvd.....lb. .16½- —
10 dms. or more, dlvd....lb. .17 - —
9 dms. or less, dlvd....lb. .17½- —
640-N, c.l., dlvd.....lb. .15½- —
10 dms. or more, dlvd....lb. .16 - —
640-N, 9 dms. or less., dlvd. lb. .16½- —
660-N, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
750, c.l., dlvd.....lb. .17 - —
10 dms. or more, dlvd....lb. .17½- —
9 dms. or less, dlvd....lb. .18 - —
830, c.l., dlvd.....lb. .17 - —
10 dms. or more, dlvd....lb. .17½- —
9 dms. or less, dlvd....lb. .18 - —
Esterol, alkyd solution, 1800, c.l., dlvd..lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
1825, c.l., dlvd.....lb. .17½- —
10 dms. or more, dlvd....lb. .18 - —
9 dms. or less, dlvd....lb. .18½- —
2185, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
2195, c.l., dlvd.....lb. .16 - —
10 dms. or more, dlvd....lb. .16½- —
9 dms. or less, dlvd....lb. .17 - —
2600, c.l., dlvd.....lb. .18 - —
10 dms. or more, dlvd....lb. .18½- —
9 dms. or less, dlvd....lb. .19 - —
2633, c.l., dlvd.....lb. .14½- —
10 dms. or more, dlvd....lb. .15 - —
9 dms. or less, dlvd....lb. .15½- —
2728, c.l., dlvd.....lb. .16 - —
10 dms. or more, dlvd....lb. .16½- —
9 dms. or less, dlvd....lb. .17 - —
2775-BS, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
4040, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —

F

Flexalyn solution, dms., c.l., f.o.b. cars, destination, zone 1..lb. .12½- —
l.c.l., 10 dms., same basis..lb. .13¼- —
single dms., same basis..lb. .14¾- —
smaller lots, same basis..lb. .19¾- —

G

G, resin, dms., gross weight, works..lb. .08 - —
Guai-a-phene, 10-gal. cns., works, gal. 2.57 - —
5-gal. cns., works.....gal. 2.62 - —
1-gal. cns., works.....gal. 2.82 - —
dms. (dm. deposit $6.00), works. gal. 2.47 - —

H

Hercolyn (hydrogenated methyl abietate), dms., c.l., f.o.b. cars, destination, zone 1.lb. .11½- —
l.c.l., lots of 10, same basis.lb. .12¾- —
single dms., same basis...lb. .13¾- —
smaller lots, f.o.b. Hercules, Del..lb. .18¾- —

K

Kadox (zinc oxide), East of Pacific Coast:—
Nos. 15, 17 and 72, bgs., c.l., dlvd. .....lb. .07¼- —
Nos. 15, 17 and 72, bbls., c.l., dlvd. .....lb. .07½- —
l.c.l., dlvd., bgs.....lb. .07½- —
l.c.l., dlvd., bbls.....lb. .07¾- —
No. 25, bgs., c.l., dlvd....lb. .08½- —
bbls., c.l., dlvd.....lb. .08¾- —
l.c.l., bgs., dlvd.....lb. .08¾- —
l.c.l., bbls., dlvd.....lb. .09 - —
Pacific Coast prices ½c. per lb. higher; l.c.l. prices ex warehouse.
Krumbhaar, Maleic 404, 1 to 9 dms..lb. .17½- —
10 dms.....lb. .17 - —
carloads or truckloads...lb. .16½- —
Maleic 414, 1 to 9 drums..lb. .17½- —
10 drums.....lb. .17 - —
carloads or truckloads....lb. .16½- —

A New Hydrocarbon Resin

. . . MAY BE THE ANSWER TO YOUR PROBLEMS

Extends critical oils such as chinawood and dehydrated castor, and speeds production by hastening the drying of slower oils such as linseed, soy bean, etc. It air dries rapidly.

VELSICOL

VELSICOL AF-3

Recommended for use in impregnating varnishes baked after application, or for any use where rapid drying, durability, inertness and heat resistance are required. VELSICOL AF-3 polymerizes at 250-400° F. in presence of air to form films increasingly insoluble and infusible as baking proceeds. In unpolymerized form it is soluble in ordinary naphthas. Samples, full information on request.

Other VELSICOL PRODUCTS
Naphthas — Benzine
Toluene — Oxidizing and Thermoplastic Resins — Insect Repellents and Toxicants — Core Oils — Impregnating Liquids

VELSICOL CORPORATION
GENERAL OFFICES: 120 EAST PEARSON STREET, CHICAGO, ILL.

Krumbaar, phenolic 505, 1 to 9 drums..lb. .17½- —
10 drums.....lb. .17 - —
carloads or truckloads....lb. .16½- —
Phenolic 555, 1 to 9 drums..lb. .17½- —
10 drums.....lb. .17 - —
carloads or truckloads....lb. .16½- —
Synthetic Copal 909, 1 to 9 drums..lb. .19 - —
10 drums.....lb. .18½- —
carloads or truckloads....lb. .18 - —

L

Lewisol resin, No. 1, c.l.....lb. .16½- —
10 dms.....lb. .17 - —
1 dm.....lb. .17½- —
2, c.l.....lb. .16½- —
10 dms.....lb. .17 - —
1 dm.....lb. .17½- —
Lewisol, 2L, c.l.....lb. .16½- —
10 dms.....lb. .17 - —
1 dm.....lb. .17½- —
3, c.l.....lb. .20 - —
10 dms.....lb. .21 - —
1 dm.....lb. .22 - —
18, c.l.....lb. .16½- —
10 dms.....lb. .17 - —
1 dm.....lb. .17½- —
24, c.l.....lb. .16½- —
10 dms.....lb. .17 - —
1 dm.....lb. .17½- —
28, c.l.....lb. .16½- —
10 dms.....lb. .17 - —
1 dm.....lb. .17½- —
33, c.l.....lb. .16½- —
10 dms.....lb. .17 - —
1 dm.....lb. .17½- —

Lewisol resin prices are f.o.b. cars, New England States, Middle Atlantic States, Va., W.Va., N.C., Ky., Ohio, Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo. For less than dm. quantities add 5c. per lb. to one-drum prices.

N

Neo-fat fatty acid, 3-R, dms., c.l., dlvd..lb. .13½- —
17, dms., c.l., dlvd.....lb. .12¾- —
19, dms., c.l., dlvd.....lb. .16¾- —
23, dms., c.l., dlvd.....lb. .19¾- —
drying oil, 170, dms., c.l., dlvd., lb. .14¾- —
190, dms., c.l., dlvd.....lb. .18¾- —
290, dms., c.l., dlvd.....lb. .20¾- —

Neo-fat prices are ½c. per lb. higher in all states west of and including Montana, Wyoming, Colorado and New Mexico.

Nevillac, pale, hard, dms., works, lb. .19 - —
hard, 85-95° C, dms., works..lb. .17 - —
soft, 65-75° C, dms., works...lb. .17 - —
Neville resin, R-1 nevindene, col. ½, dms., works..lb. .13½- —
R-3, nevindene, col. 1, dms., works..lb. .12½- —
R-5, nevindene, col. 1½-2, dms., works..lb. .11½- —
R-6, nevindene, col. 2¼-3½, dms., works..lb. .10½- —
R-7, N.P.S., col. below 3, dms., works..lb. .12¾- —
R-8, N.P.S., col. below 3, dms., works..lb. .13½- —
R-9, hard, col. ½, dms., works..lb. .12¾- —
R-10, hard, col. 1, dms., works..lb. .11¾- —
R-11, hard, col. 1½-2, dms., works..lb. .10¾- —
R-12, hard, col. 2½-3½, dms., works..lb. .09¾- —
R-13, medium, col. ½, dms., works..lb. .12¾- —
R-14, medium, col. 1, dms., works..lb. .11¾- —
R-15, medium, col. 1½-2, dms., works..lb. .10¾- —
R-16, medium, col. 2½-4, dms., works..lb. .09¾- —
R-16A, medium, col. 7-10, dms., works..lb. .08½- —
R-17, medium soft, col. 3½-8, dms., works..lb. .10¾- —
R-19, medium soft, col. 3½-8, dms., works..lb. .10¾- —
R-21, soft, col. 3½-8, dms., works..lb. .10¾- —
R-22, special, soft, col. 3½-8, dms., works..lb. .10¾- —
R-27, medium soft, col. 1, dms., works..lb. .13¾- —
R-28, medium soft, col. 1½-2, dms., works..lb. .12¾- —
R-29, medium soft, col. 2½-8, dms., works..lb. .10¾- —
465, 110-125° C., dms., gross weight, f.o.b. Pittsburgh..lb. .03½- —

Neville resin prices, except 465 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per pound additional, f.o.b. Neville Island, Pa.

Nevillite, "V," water-white, 100-lb. dms., works..lb. 1.30 - —
No. 4, very light straw, 100-lb. dms., works..lb. .52 - —
No. 123, water-white, 100-lb. dms., works..lb. .60 - —
Nevinol, dms., works.....lb. .13 - —
No. 2 oil, heavy, rfd., dms., works..lb. .12 - —
Nuba, 1, 80-95° C., dms., gross weight, works..lb. .0290- —
2, 100-125° C., dms., gross weight, works..lb. .0290- —
3x, 135-150° C., dms., gross weight, works..lb. .04¼- —
Nuodex drier, cobalt, 6%, 400-lb. pkgs..lb. .31¼- —
11%, 100-lb. pkgs.....lb. .57 - —
cobalt acetate, 100-lb. pkgs. lb. .83¾- —
iron, 6%, 400-lb. pkgs.....lb. .15¼- —
11%, 100-lb. pkgs.....lb. .26 - —
lead, 24%, 450-lb. pkgs.....lb. .14½- .15¼
32%, 450-lb. pkgs.....lb. .18¾- —
34%, 100-lb. pkgs.....lb. .19½- —
40%, 100-lb. pkgs.....lb. .23 - —
lead 30%, cobalt 3%, 150-lb. pkgs..lb. .32 - —
lead 30%, manganese 3%, 150-lb. pkgs..lb. .25 - —
Nuodex drier, manganese 6%, 400-lb. pkgs..lb. .16¼- .17¼
10½%, 100-lb. pkgs.....lb. .27½- —
zinc, 8%, 400-lb. pkgs.....lb. .16¼- —
10%, 400-lb. pkgs.....lb. .19¾- —
12%, 100-lb. pkgs.....lb. .23 - —

All prices are f.o.b. customers' plants, east of Denver.

Nypene resin, dms., works....lb. .32 - —

P

Paradene, No. 1, 75-90° C., dms., gross wt., works..lb. .05¼- —
2, 100-124° C., dms., gross wt., works..lb. .03¼- —
3, 125-140° C., dms., gross wt., works..lb. .05¾- —

Paradene prices are freight equalized with Philadelphia, Pa.

Paradura resin, grade AV, c.l., dlvd..lb. .28 - —
10 pkgs. or more, dlvd.....lb. .29 - —
9 pkgs. or less, dlvd.....lb. .30 - —
C, c.l., dlvd.....lb. .33 - —
10 pkgs. or more, dlvd.....lb. .34 - —
9 pkgs. or less, dlvd.....lb. .35 - —
10-P, c.l., dlvd.....lb. .35 - —
10 pkgs. or more, dlvd.....lb. .36 - —
9 pkgs. or less, dlvd.....lb. .37 - —
46, c.l., dlvd.....lb. .22½- —
10 pkgs. or more, dlvd.....lb. .23 - —
9 pkgs. or less, dlvd.....lb. .23½- —
273, c.l., dlvd.....lb. .23 - —
10 pkgs. or more, dlvd.....lb. .24 - —
9 pkgs. or less, dlvd.....lb. .25 - —
367, c.l., dlvd.....lb. .35 - —
10 pkgs. or more, dlvd.....lb. .36 - —
9 pkgs. or less, dlvd.....lb. .37 - —
540, c.l., dlvd.....lb. .35 - —
10 pkgs. or more, dlvd.....lb. .36 - —
9 pkgs. or less, dlvd.....lb. .37 - —
Paranol resin, extra hard, No. 1, c.l., dlvd..lb. .15 - —
10 pkgs. or more, dlvd.....lb. .15½- —
9 pkgs. or less, dlvd.....lb. .16 - —
Extra hard, No. 3, c.l., dlvd..lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
Hard, No. 1, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
Hard, No. 3, c.l., dlvd.....lb. .12½- —
10 pkgs. or more, dlvd.....lb. .13 - —
9 pkgs. or less, dlvd.....lb. .13½- —
25, c.l., dlvd.....lb. .12½- —
10 pkgs. or more, dlvd.....lb. .13 - —
9 pkgs. or less, dlvd.....lb. .13½- —
25, light, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
54-E, c.l., dlvd.....lb. .16½- —
10 pkgs. or more, dlvd.....lb. .17 - —
9 pkgs. or less, dlvd.....lb. .17½- —
100, c.l., dlvd.....lb. .17 - —
10 pkgs. or more, dlvd.....lb. .17½- —
9 pkgs. or less, dlvd.....lb. .18 - —
105-B, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
200, c.l., dlvd.....lb. .17½- —
10 pkgs., dlvd.....lb. .18 - —
9 pkgs., dlvd.....lb. .18½- —
500, hard, c.l., dlvd.....lb. .14½- —
10 pkgs. or more, dlvd.....lb. .15 - —
9 pkgs. or less, dlvd.....lb. .15½- —
500, extra hard, c.l., dlvd..lb. .17 - —
10 pkgs. or more, dlvd.....lb. .17½- —
9 pkgs. or less, dlvd.....lb. .18 - —
800, extra light, c.l., dlvd..lb. .15 - —
10 pkgs. or more, dlvd.....lb. .15½- —
9 pkgs. or less, dlvd.....lb. .16 - —
800, dark, c.l., dlvd.....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
850, c.l., dlvd.....lb. .15 - —
10 pkgs. or more, dlvd.....lb. .15½- —
9 pkgs. or less, dlvd.....lb. .16 - —
1600, c.l., dlvd.....lb. .14½- —
10 pkgs. or more, dlvd.....lb. .15 - —
9 pkgs. or less, dlvd.....lb. .15½- —
1700, c.l., dlvd.....lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs. or less, dlvd.....lb. .17 - —
1750, c.l., dlvd.....lb. .15 - —
10 pkgs. or more, dlvd.....lb. .15½- —
9 pkgs. or less, dlvd.....lb. .16 - —
1855, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
3046-C, c.l., dlvd.....lb. .22½- —
10 pkgs. or more, dlvd.....lb. .23 - —
9 pkgs. or less, dlvd.....lb. .23½- —
3101, c.l., dlvd.....lb. .15¾- —
10 pkgs. or more, dlvd.....lb. .16¼- —
9 pkgs. or less, dlvd.....lb. .16¾- —
3643, c.l., dlvd.....lb. .15 - —
10 pkgs. or more, dlvd.....lb. .15½- —
9 pkgs. or less, dlvd.....lb. .16 - —
Pentalyn A, dms., c.l., f.o.b. cars, destination, Zone 1..lb. .13 - —
l.c.l., 10 dms., same basis....lb. .13½- —
single dms., same basis..lb. .14 - —
smaller lots, same basis..lb. .19 - —
G, dms., c.l., f.o.b. cars, destination, Zone 1..lb. .14½- —
l.c.l., 10 dms., same basis. lb. .15 - —
single dms., same basis..lb. .15½- —
smaller lots, same basis..lb. .20½- —
Phenester, color 3½-5, dms., works, lb. .17 - —
P.H.O., dms., works.....lb. .24 - —
Pliolite, powder, ton lots, works, lb. .66 - —
smaller lots, works.....lb. .69 - .74
resin, clear, ton lots, works, lb. .75 - —
smaller lots, works.....lb. .79 - .84
No. 20, ton lots, works.....lb. .75 - —
smaller lots, works.....lb. .79 - .84
No. 40, ton lots, works.....lb. .75 - —
smaller lots, works.....lb. .79 - .84

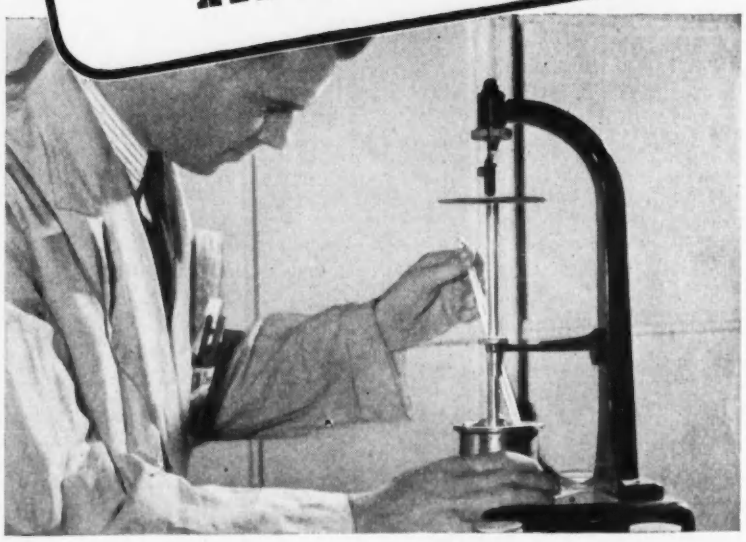
R

Resinous oil, No. XI, returnable dms., works..lb. .0160- —

S

Staybelite resin, c.l. (36,000 lbs.), f.o.b. cars East of and including N.D., S.D., Neb., Kan., Okla. and Tex..lb. .06 - —
l.c.l., dms. (500 lbs.), same basis..lb. .06½- —
smaller lots, f.o.b. Hattiesburg, Miss., or Hercules, Del..lb. .20 - —
Surfex, bgs., c.l., f.o.b. Painesville, Ohio..ton.27.50 - —
BB, bgs., c.l., same basis..ton.32.00 - —
MM, bgs., c.l., same basis..ton.30.00 - —
Syntex, standard alkyd resins, No. 9, 10 dms. and over..100 lbs.18.25 - —
1-9 dms.....100 lbs.18.50 - —
18, 10 dms.....100 lbs.17.50 - —
1-9 dms.....100 lbs.17.75 - —
19-B, 10 dms.....100 lbs.16.25 - —
1-9 dms.....100 lbs.16.50 - —
22, 10 dms.....100 lbs.15.75 - —
1-9 dms.....100 lbs.16.00 - —
23, 10 dms.....100 lbs.14.75 - —
1-9 dms.....100 lbs.15.00 - —

GLYPTAL
ALKYD RESINS



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GENERAL ELECTRIC

Resins and the War

RESINS are important in the War effort, therefore our research has been successfully directed towards the manufacture of S & W Resins that meet the specifications set up by the Government agencies. Where critical raw materials are involved, we are delivering resins against the proper preference ratings, and whenever possible are maintaining stocks in the large production centers throughout the country so that they are available to manufacturers without delay.

We anticipate having, as before, for use in the production of essential civilian finishes, limited quantities of certain resins that do not require critical raw materials.

THE COMPLETE RESIN LINE

"S & W" ESTER GUM—*all types*
"AROFENE"®—*pure phenolics*
"AROCHEM"®—*modified types*
"CONGO GUM"—*raw, fused and esterified*
"AROPLAZ"®—*alkyds*
NATURAL RESINS—*all standard grades*

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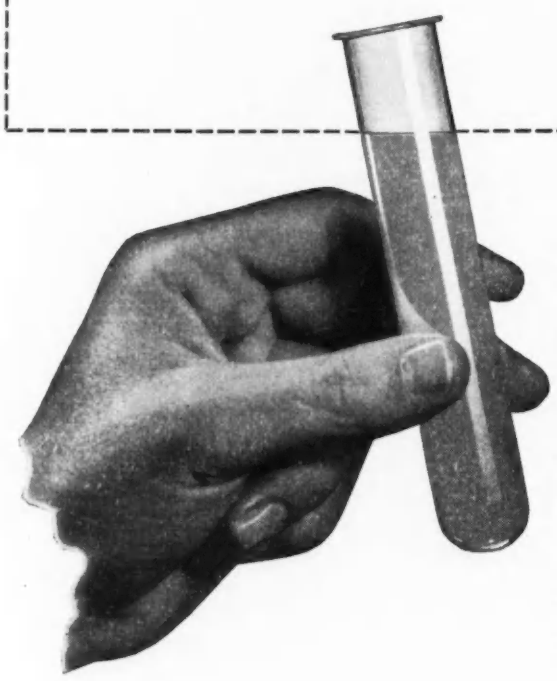
QUALITY AND UNIFORMITY...



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One excellent way to make sure you get both those essentials in *every* shipment of pharmaceutical materials that goes into your products—look to Monsanto as your source of supply!

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SERVING INDUSTRY...WHICH SERVES MANKIND

HELP! Prompt return of empty tank cars, carboys and returnable drums will help speed your *next* shipment of Monsanto chemicals... by helping to relieve critical shortages in shipping equipment.

LOW COST BLACK COATINGS

(25c to 45c PER GALLON)

OBTAINABLE BY USE OF

VANADISET

TRADE MARK REGISTERED

Plastic Resin

NO GRINDING NECESSARY

NO PRIORITIES NECESSARY

UNLIMITED SUPPLY

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242 W. 55th St., New York

A PRODUCT OF

WILSON CARBON COMPANY

122 EAST 42nd STREET, NEW YORK

If You Rate The Priority... You'll Rate DUREZ "420" 100%!

NEWEST DEVELOPMENT in an all-round resin is Durez 420 for use with slower drying oils for making from 10-12 gallon hard mixing varnishes to 50-60 gallon spars. It makes hard-baking finishes with good color retention.

With oil, Durez 420 may be readily emulsified to produce waterproof and wear-resistant films for water-thinned paints. Its compatibility with mineral oil and low-boiling petroleum thinners makes it desirable for adhesives when properly processed.

This new Durez resin is compatible with all of the common drying oils or even with non-drying and lubricating oils. It may be used in gloss over-print and scratch-proof inks. Samples on request.

DUREZ PLASTICS & CHEMICALS, INC.
1307 Walck Road, N. Tonawanda, N. Y.

DUREZ PLASTICS & CHEMICALS, INC.

RESINS THAT FIT THE JOB

Syntex, standard, alkyd, resins,
28, 10 dms.....100 lbs.19.75 - —
1-9 dms.....100 lbs.20.00 - —
32, 10 dms.....100 lbs.15.25 - —
1-9 dms.....100 lbs.15.50 - —
36, 10 dms.....100 lbs.18.75 - —
1-9 dms.....100 lbs.19.00 - —
40, 10 dms.....100 lbs.19.50 - —
1-9 dms.....100 lbs.19.75 - —
119, 10 dms.....100 lbs.22.50 - —
1-9 dms.....100 lbs.22.75 - —
H-3, 6 dms.....100 lbs.15.50 - —
1-5 dms.....100 lbs.16.00 - —
H-12, 10 dms.....100 lbs.17.25 - —
1-9 dms.....100 lbs.17.50 - —
H-15, 10 dms.....100 lbs.14.50 - —
1-9 dms.....100 lbs.14.75 - —
H-46, 10 dms.....100 lbs.14.50 - —
1-9 dms.....100 lbs.14.75 - —
tentative alkyd resins, 14, 10 dms..100 lbs.16.50 - —
1-9 dms.....100 lbs.16.75 - —
16, 10 dms.....100 lbs.19.75 - —
1-9 dms.....100 lbs.20.00 - —
23-S, c.l.....100 lbs.13.00 - —
l.c.l. .....100 lbs.14.00 - —
25, c.l.....100 lbs.15.50 - —
l.c.l. .....100 lbs.16.00 - —
121, 10 dms.....100 lbs.17.50 - —
1-9 dms.....100 lbs.17.75 - —

Syntex prices are f.o.b. Louisville, Ky., freight prepaid and allowed to destinations in New England, the Middle Atlantic States, Va., N. C., S. C., W. Va., Ohio, Ky., Tenn., Ind., Ill., Mich., Wis., Iowa and Mo. and the cities of Minneapolis and St. Paul, Minn.; Atlanta, Ga.; Omaha and Lincoln, Neb., and Montreal and Toronto, Canada. For shipment to other points East of the Rockies and not listed above add 1c. per pound. For shipments direct to West Coast points add 1¼c. per lb. or 1½c. on deliveries from Los Angeles warehouse. The above prices do not include the cost of drums, which remain the property of the manufacturer.

V

Vanadiset resin, dlvd. Balto.-Washington area, contract, 26-1000 tons per month..ton.35.00 -45.00
spot, 1-25 tons per shpt...ton.56.00 -66.00
under 1 ton per shpt....ton.83.00 - —
Southern New Jersey, East Pa., Del., contract, 26-1000 tons per month..ton.35.00 -45.00
spot, 1-25 tons per shpt...ton.54.00 -64.00
under 1 ton per shpt....ton.82.00 - —
Canada (Windsor to Montreal), contract, 26-1000 tons per month..ton.38.40 -48.60
spot, 1-25 tons per shpt...ton.58.00 -68.00
under 1 ton per shpt....ton.84.00 - —
Greater N. Y., North N. J., Conn., contract, 26-1000 tons per month..ton.34.00 -44.00
spot, 1-25 tons per shpt...ton.52.25 -60.00
under 1 ton per shpt....ton.80.00 - —
Ill., Ky., Tenn., Carolinas, Georgia, Missouri, 26-1000 tons per month..ton.39.00 -47.00
spot, 1-25 tons, per shpt...ton.60.00 -72.00
under 1 ton per shpt....ton.86.00 - —
Iowa, Wis., Minn., Florida, Alabama, Mississippi, contract, 26-1000 tons per month.ton.40.00 -50.00
spot, 1-25 tons, per shpt...ton.62.00 -74.00
under 1 ton per shpt....ton.90.00 - —
resin, New England (except Conn.), contract, 26-1000 tons per month..ton.35.00 -45.00
spot, 1-25 tons per shpt...ton.56.00 -66.00
under 1 ton per shpt....ton.82.00 - —
Louisiana, Arkansas, Oklahoma, Texas, Colorado, Nebraska, Kansas, Dakotas, contract, 26-1000 tons per month.ton.48.00 -57.00
spot, 1-25 tons per shpt...ton.70.00 -80.00
under 1 ton per shpt....ton.94.00 - —
N. Y. State, Penna. (W. of Harrisburg), Western Maryland, contract, 26-1000 tons per month..ton.36.00 -46.00
spot, 1-25 tons per shpt...ton.57.00 -66.00
under 1 ton per shpt....ton.84.00 - —
Ohio, Mich., Ind., W. Va., Va., contract, 26-1000 tons per month..ton.37.00 -46.00
spot, 1-25 tons per shpt...ton.58.00 -68.00
under 1 ton per shpt....ton.84.00 - —
Pacific Coast States, Arizona, New Mexico, Utah, Nevada, Idaho, Montana, Wyoming and Canada (except Windsor to Montreal), contract, 26-1000 tons per month...ton.53.00 -62.00
spot, 1-25 tons per shpt...ton.75.00 -84.00
under 1 ton per shpt....ton.96.00 - —
"Vinylseal" adhesive solution, A35, 20 dms., f.o.b. South Charleston, W. Va., frt. pd. E. of Miss..gal. 2.10 - —
smaller lots, same basis.gal. 2.50 - —
T24-9, 20 dms., same basis, gal. 2.00 - —
dm. lots, same basis....gal. 2.25 - —
smaller lots, same basis.gal. 2.50 - —
Vinylseal, MA-28-18, 20 dms., same basis..gal. 2.15 - —
dm. lots, same basis....gal. 2.40 - —
smaller lots, same basis.gal. 2.65 - —

"Vinylseal" adhesive solutions in 1 to 5-gal. quantities are shipped in non-returnable containers. Extra charge of 40c. for 1-gal. cans, 5-gal. containers included in price. Drum lots are shipped in 55-gal. non-returnable drums.

"Vinylite" brand resins, AYAA, AYAF, AYAT, c.l. (30,000 lbs.), paper bags, f.o.b. cars, South Charleston, W. Va., freight paid to destination E. of Mississippi river....lb. .40 - —
2,000 to 9,999 lbs., paper bgs., same basis..lb. .43 - —
200 to 1,999 lbs., paper bgs., same basis..lb. .45 - —
1 to 99 lbs., paper bgs., same basis..lb. .60 - —
AYAB, cns., 200 to 1,999 lbs., same basis..lb. .52 - —
1 to 199 lbs., same basis..lb. .67 - —
AYAW, cns., 200 to 1,999 lbs., same basis..lb. .52 - —
1 to 199 lbs., same basis..lb. .67 - —
QYNA, c.l. (30,000 lbs.), paper bags, f.o.b. care South Charleston, W. Va..lb. .48 - —
10,000 to 29,999 lbs., paper bags, same basis..lb. .50 - —
2,000 to 9,999 lbs., paper bags, same basis..lb. .52½- —
200 to 1,999 lbs., paper bags, same basis..lb. .55 - —
QYNA, 1 to 199 lbs., paper bags, same basis..lb. .65 - —
VYHH, VYLF, VYNW, c.l. (30,000 lbs.), paper bags, same basis..lb. .48 - —
10,000 to 29,999 lbs., paper bags, same basis..lb. .50 - —
2,000 to 9,999 lbs., paper bags, same basis..lb. .52½- —
Vinylite, brand resins, 200 to 1,999 lbs., paper bags, same basis..lb. .55 - —
1 to 199 lbs., paper bags, same basis..lb. .65 - —
VYNS, c.l. (30,000 lbs.), paper bags, same basis..lb. .68 - —
10,000 to 29,999 lbs., paper bags, same basis..lb. .70 - —
2,000 to 9,999 lbs., paper bags, same basis..lb. .72½- —
200 to 1,999 lbs., paper bags, same basis..lb. .75 - —
1 to 199 lbs., paper bags, same basis..lb. .85 - —
XYSG, 200 to 1,999 lbs., paper bags, same basis..lb. 1.25 - —
1 to 199 lbs., paper bags, same basis..lb. 1.40 - —

- - - —V- - - —

Film Scrap Prices Ceiled by OPA

—Continued from page 3

of the foregoing, and includes the United States or any agency thereof, or any other government, or any of its political subdivisions, or any agency of any of the foregoing.

"Unwashed film scrap" means discarded or rejected motion picture film of nitrocellulose base before removal of photographic emulsion.

"Washed film scrap" means discarded or rejected motion picture film of nitrocellulose base after removal of photographic emulsion.

"Dissolved film scrap" means any solution containing any quantity of washed film scrap or still film in any solvent or solvent mixtures, but does not include finished lacquer suitable for use as such in a consuming industry, and intended by buyer to be used as a lacquer without any further processing other than thinning.

"Raw material costs" mean costs to dissolver of materials used by dissolver in the production of dissolved film scrap, and includes only the following items:—

(i) Washed film scrap;

(ii) Solvents in which such washed film scrap has been dissolved;

(iii) Any other materials which have been combined with such washed film scrap and solvents in the production of such dissolved film scrap.

"Cost of dissolver" of film scrap washed by him and used by him in the production of dissolved film scrap shall be the maximum prices established by this regulation No. 171 for sales of washed film scrap less $.010 per pound.

"Seller's shipping point" means the point of distribution maintained by the seller from which actual shipment is made.

Unless the context otherwise requires the definitions set forth in section 302 of the emergency price control act of 1942 shall apply to other terms used in this regulation No. 171.

Maximum prices for sales of unwashed and washed film scrap in quantities of 50 pounds or more shall be the following:—

	Per Pound—Uncolored	Colored
Unwashed, delivered	$.0950	$.0950
Washed, f.o.b. seller's shipping point—		
Uncut	.1450	.1350
half-reel lengths	.1475	.1375
Quarter-reel lengths or less	.1500	.1400

Maximum prices for sales of dissolved film scrap in quantities of five gallons or more shall be the sum of raw material costs and the following mark-up, f.o.b. seller's shipping point:—

Quantity	Mark-up, per gal.
4,000 gallons or more	$.23
2,000 to 3,999 gallons	.25
Less than 2,000 gallons	.27

In the case of a shipment of dissolved film scrap from a seller's shipping point other than the point of manufacture, the maximum prices are the prices listed above plus the actual transportation charges from the point of manufacture to such seller's shipping point, f.o.b. such seller's shipping point. Such transportation charges shall be shown as separate items on the records and invoices.

- - - —V- - - —

Tungsten End-Use Control Tightened

—Continued from page 7

any stage of process, except alloy steel, high speed steel, tool steel, and finished tools.

To encourage production of concentrates, the amendment allows delivery without restriction of ores or concentrates containing less than 20 percent tungsten to processors for concentration, or dealers, though no dealer may hold such stocks longer than 60 days. Persons desiring allocations of tungsten must apply for it on form PD-9-c before the 20th of the month preceding delivery, sending copies to WPB and to the supplier. Form PD-9-d covering inventory, and proposed production must accompany PD-9-c.

JULY Bulletin

HOW CAN GOOD VARNISHES BE MADE WITHOUT CHINAWOOD OIL?

A few months ago we made an important announcement to the Paint Industry. Our research laboratories had developed two effective replacements for Chinawood and other foreign drying oils. One—a chemically treated linseed oil—is called "Kellin"; the other—a chemically treated soybean oil—is known as "Kellsoy."

Our announcement was followed by a heartening number of trial orders. Tests were made. Many companies subjected one or the other to rigorous checking.

Eloquent evidence that Kellin and Kellsoy have come through all tests with flying colors is recorded in the volume orders we are now receiving.

Reports show that Kellin handles easily and bodies fast. Drying is rapid and a hard, waterproof, non-tacky film results. Among widely available oils, Kellin undoubtedly ranks first as a substitute for Chinawood oil.

Kellsoy has demonstrated new opportunities for soybean oil in interior non-yellowing finishes. Production men endorse its hard drying, low acid value and its elimination of long cooks.

Kellin and Kellsoy are now in large scale production at eastern and western Spencer Kellogg plants. No effort was spared in speeding their availability to industry.

If you haven't tried Kellin or Kellsoy, we suggest you make your tests as soon as possible. Or write our Technical Service Department for complete information.

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Vol. 142 July 6, 1942 Number 1

Last week the Flag of the United States of America was pictured above the masthead on this editorial page of OIL, PAINT AND DRUG REPORTER *as a requested recognition of the particular significance of Independence Day this year. This week the flag is at the OPD maintop as a voluntary testimonial of full belief in its symbolism. It will stay there for the duration of the War Against Independence.*

The 'Acids Trust'

It was at least six months ago that the antitrust-law division of the Department of Justice began its prying into things which has now brought about the indictment of more than a score of chemical manufacturers on charges of illegally operating the business of producing and selling five acids of primary industrial importance. The fact that this antitrust probe is brought to a head in these days, when the WPB chief quite reasonably pleads for respite for business from such harrassment, is evidence of its having official approval which is of peculiar significance.

It must be recognized here and now that this indictment of acid manufacturers has but a face relationship to the quantity of any acid produced or the price charged for it. Plant expansions and other earnest, intense participation in the war program are beside the point. This case arises from a chasm in economic theories and purposes, widening from the fissure which was started when the dilemmatical antitrust laws were enacted.

Whenever the "acids trust" case may be brought to trial—it probably will be deferred for the duration—the charges may be expected to stick. This means no guilt on the part of the defendants; it merely follows the fact that most business practices which are no less satisfactory to buyers than they are to sellers, are in violation of the antitrust laws, because these statutes are purposively contradictory.

BUY WAR BONDS TO WIN

Realization Is Overdue

Unconcern, carelessness, and waste are still too common among us to mark this as a nation at war for the very fundamentals of its existence. Youths go by on a city street, irregularly, untrainedly ranked, bound for some induction center. Here among them is one with a small valise; there is a paper bundle in the crook of a shirtsleeved arm. Simple folk these be, from a score of modes of living; seriousness behind their cheerful, willing countenances. They go to the supreme service of their country. But, for all the recognition they get from by-standers, they might be a chaingang bound for another day's penal roadmaking. Nobody cheers; not even a hand is waved in salutation. There is no martial strain of fifes or trumpets, nor the monotonous beat of marching drums. There is not even a flag above them.

Ships are sunk in the task of maintaining trade. Businesses seek subsidies that sacrifice may not be theirs. Men lose their lives at sea in endeavors to fuel the machines of a people who make a joke of conservation. The dimout of downtown New York is a light-spangled farce. The enemy lands undercover raiders a few score miles away.

Even the push of politicians and less selfish promoters failed to bring in the reasonably expected quantities of scrap rubber. Thousands of tons of waste metals lie oxidizing to uselessness in all parts of the land.

The people of the United States have not gone to war commensurately with the dictation of the fact that for the first time in more than a century American soil is occupied by an alien enemy. It is to be hoped that American Heroes Day, primarily designed to promote record sale of war bonds July 17, will be a broader and a better stimulation. For money, essential as it is, and the mechanization that is today, will not be enough.

BUY WAR BONDS TO WIN

Guard Your Narcotics

The daily press continues to relate thefts of narcotics from inadequately guarded stocks of drug stores, manufacturers, doctors, and civilian defense depots. The Bureau of Narcotics says that such thefts, attempted and consummated, average about thirty a week. And this in spite of warnings for several years past against the activities of addicts whose illegitimate channels of supply were being more and more pinched off.

Narcotic drugs, especially opiates, are critically necessary among medical supplies of war. These drugs are not yet supplied from domestic sources, and the hazards of commerce with the countries of their customary origin make replenishment of supplies in this country very uncertain. Although there is a reserve supply, this is not enough to cover wasteful or careless unnecessary consumption or diversion.

As American forces more and more go to the combat areas of the war, the need for narcotic drug equipment increases abnormally. In addition, this country must furnish a large part of the military needs of its allies. Losses through thefts must be made up from reserves intended for such purposes. They are sabotage of the war effort. It is most important, therefore, that all who have legitimate and necessary possession of narcotics provide secure storage for their stocks. In case of loss through theft, prompt notification should be given to the appropriate narcotic district supervisor. Even unsuccessful attempts to burglarize narcotic stores should be reported, because such information assists in the capture of the organized gangs which make a specialty of narcotic thefts and don't give a damn how any soldier may suffer.

BUY WAR BONDS TO WIN

Warring Is for Warriors

The drawing of inferences from any statement is limited only by the purposes and desires of those who would infer therefrom. So, it is not strange that many are the interpretations placed in various governmental and business circles on the following statement by the chairman of the War Production Board to a subcommittee of the House of Representatives on appropriations:—

> I believe that we are over the hump; and from now on it becomes a question of improvement in process, of getting better distribution of raw materials, and seeing that production is attuned to strategy.

The simplest, most direct inference is that the WPB chief meant, as has been said by many others who have no office to retain by popular franchise, that the productive capacity of American industry has been proved adequate to the demands of war and will so function—if it can be supplied with essential materials and held to essential work. That "if" introduces a big job: the job which necessitates the retention of the War Production Board in full authority, with respect to war production; but not necessarily with respect to war procurement —that is something which, events indicate, can much better be handled by those to whom is delegated the gigantic task of waging the war.

Reorganization of the set-up which has to do with the biggest of big businesses—the making of successful war—is in progress. Some members of Congress are not pleased with the prospect of the army's and the navy's being free from the hindrance of minor civilian bureaucrats in their plain need for critical materials. It is desirable and it is necessary that there be final supervision by some nonmilitary—and nonpolitical—official over war procurement. It is desirable and it is necessary that all procurement be scrutinized closely and that irregularities be recognized and remedied promptly and without restraint. But, military officials should be accepted as knowing what they want, and no petty interference with their getting it should be countenanced.

Military leaders have their faults and their shortcomings: they do not have an extraordinary share of either. They are still more capable than civilians in the business of running a war. And WPB has job enough in keeping them materially equipped for that task. Congress may be expected to continue to probe and plague and play politics.

ANALYSIS

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The research division of this department is constantly striving to improve or devise new techniques for the examination and analysis of our materials. New products, too, have always occasioned considerable analytical research, it often having been necessary to revise existing analytical methods to a great extent, or even to devise entirely new procedures. Needless to say, all of this would be impossible if analysis were considered to be merely a routine matter.

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Heavy Chemicals

Demand for Heavy Chemicals Mixed With Majority of Items Remaining on Quiet Side—Cobalt Allocation Order Extended—Tungsten Control Widened

The advent of the third quarter of 1942 last week brought no developments in the market for heavy chemicals that might be described, in sympathy linguistically with the Independence Day celebration, as of the nature of fireworks. In fact, the market in general remained rather quiet, though improved interest here and there influences one to select "mixed" as a term more accurately descriptive of conditions. Comment in the trade centered around the indictment of twenty-one chemical companies and sixty-five of their officials for alleged violations of the antitrust laws in the production of acids.

The demand from war industries remained unchanged from recent levels, but cancellations of deliveries by manufacturers of non-essential lines, a condition which has been prominent since the recent conversion of so many large industries to the war effort, continued appreciably in the picture. Factors pointed out that, whereas a year ago they found themselves unable to take orders, today, regarding many items, the orders received are only scratching the surface of mounting inventories. Largely responsible for this, of course, is the fact that many manufacturing consumers are crippled, due to shortages of one or more of the basic materials in their formulas. There was some export inquiry in the market for certain items, but business of that nature these days is so restricted that it is difficult to note any effects. In fact, it is difficult to locate any sellers for the majority of products on which any export inquiry exists.

Tungsten, an essential ingredient of hardened steels critically needed in war production and armament, has been placed under further allocation and end-use control by an amendment just issued to General Preference Order M-29 by the Director of Industry Operations. The principal effect of the amendment is to place under complete allocation and end-use control all tungsten ores and concentrates, including any substance containing recognizable tungsten in any stage of process, except in alloy steel, tool steel, and finished tools, which have their own restrictions. M-29 as amended covers all chemical compounds having tungsten as a recognizable and essential component.

The cobalt allocation order, M-39, due to expire June 30, was extended indefinitely by the Director of Industry Operations. Antimony oxide went on allocation July 1.

Ammonia Perchlorate. — Material on allocation. Pricewise, no change.

Antimony Metal.—Conditions quiet. Prices stabilized at requested levels.

Antimony Oxide.—Allocations rule. Quotations firm, unchanged.

Arsenic, Red.—No new developments in market. Prices same.

Arsenic, White.—Material on allocation. Quotations unaltered.

Barium Carbonate.—Market tone unaltered. Prices unchanged.

Barium Chlorate.—Material under full allocation. Pricewise, no change.

Barium Chloride.—Demand quiet. Quotations confirmed.

Barium Hydrate. — New interest light. Deliveries satisfactory. No change quotably.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
170.2	**170.2**	**170.2**	**163.8**

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
116.0	**116.0**	**116.0**	**108.7**

Market news that may have developed after this report was sent to press will be found on page 4.

Carbon Tetrachloride

The industrial salvage section of the War Production Board's Bureau of Industrial Conservation has undertaken a salvage campaign to recover valuable commercial solvents now being discarded through industry's failure to utilize existing reclaiming facilities.

Latest available statistics indicate that exports in the first quarter of 1941 amounted to 997,704 pounds, more than double the 434,485 pounds shipped for the entire year of 1940.

Figures released by the Tariff Commission show 1940 production of 100,811,330 pounds of carbon tetrachloride and sales totaling 79,674,547 pounds, compared with output of 90,535,580 pounds, and sales of 84,023,750 pounds in 1939.

Current carbon tetrachloride New York car lot quotations at 75c. per gallon (5½c. per pound, based on 13.2 pounds to the gallon) in 52½-gallon drums compared with a high of 45c. per pound in the 1917-18 period. Prices dropped to 15c. per pound at the conclusion of the war.

Bauxite. — New features lacking. Price structure steady.

Bleaching Powder.—New inquiry light. Prices maintained.

Bordeaux Mixture. — Inquiry at recent level. Quotations unaltered.

Calcium Chloride. — New Federal specification C-C-106 for road building will be inaugurated August 15.

Carbon Tetrachloride. — War demand continues heavy with WPB's Bureau of Industrial Conservation attempting to salvage commercial solvents through reclaiming facilities from the dry cleaning industry, rotogravure printers, metal degreasers, solvent extractors, and others.

Chlorine.—No let up in heavy war demand. General limitation order in effect with material on allocation and under full priority control. A recent amendment to General Preference Order M-19 has made it permissible for users of chlorine now to accept delivery in the smallest possible delivery unit. This amendment also advanced the date for filing of orders for chlorine with producers to the tenth of the month preceding that in which delivery is sought.

Chloropicrin. — Inquiry at recent levels. No change pricewise.

Cobalt Acetate. — Cobalt allocation order M-39 extended indefinitely. Better inquiry continues. Market steady.

Cobalt Carbonate. — Cobalt allocation under M-39 extended indefinitely. Inquiry at improved level. Quotations same.

Cobalt Hydrate. — Cobalt alloca-

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 9

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tion order M-39 extended indefinitely. Allocations rule. More interest. Prices confirmed.

Copper.—Producers have been prohibited since June 15 from manufacturing for sale or receiving from suppliers for resale any copper products or copper base alloy products for farm tractors or engine power units except for certain specified uses. Price holds at 12c. per pound delivered Connecticut Valley base; export unchanged at 11¾c. per pound f.a.s. New York.

Copper Acetate.—Improved level of interest maintained. Pricewise, no change.

Copper Carbonate. — Improvement in demand continues. Price structure steady.

Ethyl Chloride.—Material in light demand. Prices confirmed.

Fluorspar. — One factor may now sell its glass grade at the same maximum price previously authorized by OPA for the company's sales of acid grade.

Lead Acetate.—No fluctuation in level of demand. Quotations confirmed.

Magnesia Arsenate.—Deliveries at satisfactory level with new inquiry light. Prices same.

Magnesite.—New features lacking. Prices unchanged.

Manganese Acetate. — Improved level of demand maintained. The Metals Reserve Company has begun to buy maganese milling ores of 15 to 35 percent manganese content. Purchasing is done at sites where concentration mills are now in operation or have been recommended by WPB.

Manganese Carbonate.—New interest light. Deliveries satisfactory. Metals Reserve Company now buying manganese milling ores of 15 to 35 percent manganese content.

Methyl Chloride.—No new developments noted. Quotations steady.

Nickel Chloride.—Material on allocation. Heavy call from war operations. No change in prices.

Phosphorous Oxychloride.—Transactions governed by priorities. No change pricewise.

Potash, Caustic.—New interest light. Quotations unaltered.

Potash Chlorate.—Material under full priority control. Allocations rule. Prices confirmed.

Potash Perchlorate.—Priorities rule with material under full allocation control.

Saltcake. — Deliveries satisfactory with new inquiry light. Quotations fully maintained.

Soda Ash.—Consumption at high level. Market tone steady. . Quotations firm.

Soda, Caustic.—Market easy. Quotations confirmed.

Soda Metasilicate.—Light demand for both anhydrous and granulated. Pricewise, no change.

Tin.—OPA's maximum price schedule for pig tin has been amended to permit sale of certain metal produced by the electrolytic process at a price equal to that of the top grade of tin.

Sulphur Dioxide.—Oil industries' demand remains at good level. Prices unaltered.

Trichlorethylene.—Priorities govern business. New interest light. Prices same.

Zinc Chloride.—Material in light demand. Deliveries okay. Prices confirmed.

Acids

Spottiness continued to characterize the demand for heavy chemical acids last week. Deliveries against previous commitments again were considered satisfactory.

Acetic.—Material in easier supply. Prices continue under individual ceiling.

Battery.—New features lacking. Quotations unchanged.

Formic.—New interest light. Prices confirmed.

Hydrofluoric.—Demand continues at slightly improved level. Quotations same.

Lactic.—Interest light. Deliveries okay. Price schedules fully maintained.

Mixed.—Both nitric and sulphuric units continue quiet. Quotations confirmed.

Monochloracetic.—Market tone easy. Quotations firm, unchanged.

Naphthenic. — Business governed by allocations. No change quotably.

Muriatic.—New inquiry light. Price schedules maintained.

Naphthenic.—Allocations rule. Prices unchanged, firm.

Oxalic.—Factors report fair interest. Deliveries at satisfactory level. Quotations confirmed.

Sulphuric.—Munitions plants taking large quantities. Pricewise, no change.

Baltimore, July 3.—Conditions in the market for sulphuric acid during the past week continued about unchanged, with producers disposing of their output and with quotations at the ceiling. Oleum is quoted at $19 per ton for 20 percent supplies.

Tungstic.—Tungsten has been placed under further allocation and end-use control by an amendment to General Preference Order M-29. The order as amended covers all chemical compounds having tungsten as a recognizable and essential component.

Insecticides

New features were lacking in the market for insecticides and fungicides as the third quarter got under way. No price changes were announced last week, and the tone of the various items was about unaltered.

Calcium Arsenate.—Demand at good level. Prices show no change.

Lead Arsenate.—Rather active call for material. Quotations firm, unaltered.

Nicotine Sulphate.—No new features observed in market. Prices confirmed.

Paradichlorobenzene. — Interest remains at fairly good level, with supply condition tight. No change quotably.

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Explosives Carrying By Air Permitted

OPD Washington Bureau
July 2, 1942

The senate committee on mines and mining has reported favorably S. 2515 amending the Federal explosives act to remove the prohibitions against transportation of explosives and ingredients by air in other than military aircraft. The bill provides that such transportation may be undertaken in spite of the provisions of the explosives act, provided it is done in accordance with the rules and regulations of the Civil Aeronautics Board.

The bill was recommended by Secretary of War Henry L. Stimson.

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WPB Classifications Card Issued by Westvaco

The Westvaco Chlorine Products Corporation this city, has issued, on a handy letter-size card, a summary of WPB allocation classification order numbers. On the face side is a summary of the instructions issued by WPB on the allocation order number system to be used on all purchase orders dated June 30, 1942 and thereafter. On the reverse side is a tabulation of the order numbers and classifications covering every branch of military and civilian goods. Copies of this desk-card may be obtained without charge from Westvaco Chlorine Products Corporation, 405 Lexington Avenue, New York.

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Henry Sundheimer, Inc., Names Goldbach Vice-President

Henry Sundheimer, president, Henry Sundheimer, Inc., specialists in fluorides, this city, announces that at a recent meeting of the board of directors Alfred B. Goldbach was elected executive vice-president and treasurer, effective July 1.

Mr. Goldbach has been identified with the chemical industry since 1917 and has been in charge of sales for Henry Sundheimer, Inc., since 1922.

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Warfare Chemicals Discussed

L. L. Hedgepeth, manager of technical service for the Pennsylvania Salt Manufacturing Company, has authored a study entitled "Warfare Chemical Hazards." Mr. Hedgepeth discusses gas warfare from the standpoint of civilian defense protective measures. The effects of gas are discussed and the study also names the principal war gases, describes their characteristics and suggests first aid treatment for victims. The study voices a note of reassurance, giving the civilian a calm, non-technical understanding of what actually is involved in gas warfare. A limited supply of reprints is available at the office of the company, Widener Building, Philadelphia.

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'Acid Trust' Indictment Trial May Be Deferred

—Continued from page 3

Chemical Works, General Chemical Company; Innis, Speiden & Co.; and American Cyanamid & Chemical Corporation.

Individual defendants named in the indictment were:

E. W. Furst, E. C. Thompson, E. A. Orem, H. M. Rosencrans, all of the Grasselli chemicals department of the E. I. duPont de Nemours & Co.; August Kochs, Walter B. Brown, Otto H. Raschke, I. E. Smith, and John H. Karrh, all of Victor Chemical Works; H. O. C. Ingraham, L. F. Eiklor, both of General Chemical Company; H. S. Cottrell, of Innis, Speiden & Co.; and George Taylor, of the American Cyanamid & Chemical Corporation.

Sulphuric Acid

Price fixing in sulphuric acid was charged against fifteen companies and thirty-seven individuals. This indictment also accused them of having "studiously policed the supply of sulphuric acid for sale by entering into exchange agreements, by purchasing from each other for resale to others, and by prevailing upon small producers to discontinue the production of sulphuric acid." Companies engaged in this conspiracy, according to the indictment, were:—

General Chemical Company, New York; Monsanto Chemical Company, St. Louis; American Cyanamid & Chemical Corporation, New York; Dow Chemical Company, Midland, Mich.; Standard Oil Company of New Jersey, New York; Prior Chemical Corporation, New York; E. I. duPont de Nemours & Co., Wilmington; Davison Chemical Company, Baltimore; Atlas Powder Company, Wilmington; Mutual Chemical Company of America, New York; Pennsylvania Salt Manufacturing Company, Philadelphia; Southern Agricultural Chemical Corporation, New York; F. S. Royster Guano Company, Norfolk, Va.; Stauffer Chemical Company, New York; and the New Jersey Zinc Sales Company, New York.

Individual defendants named were:

M. M. Biddison, D. I. Trainer and F. R. Scherzinger, all of General Chemical Company; Edgar M. Queeny, I. J. Stanley, Horace Burrough, J. A. Berninghaus, Gaston Dubois, all of Monsanto Chemical Company; Joseph D. Lowery, S. W. Mays, both of American Cyanamid & Chemical Corporation; Willard Dow, C. A. Wolfe, J. E. Le Fevre, J. A. Panter, all of the Dow Chemical Company.

V. G. Halliday, of Cliff's-Dow; H. H. Finn, of Standard Oil of New Jersey; Thomas Nichols, of Prior Chemical Corporation; E. W. Furst, E. C. Thompson, H. P. Mansfield, C. E. Leonard, E. H. Heil, E. A. Orem, H. M. Rosencrans and H. P. John, all of the Grasselli chemicals department of E. I. duPont de Nemours & Co.; Elmer Heubeck, of Davison Chemical Company; Leonard Richards, W. I. Penniman, and A. McClain, all of Atlas Powder Company; Herbert M. Kaufman, of Mutual Chemical Company of America; George B. Beitzel and Leonard T. Beale, both of Pennsylvania Salt Manufacturing Company; A. H. Sterne, of Southern Agricultural Chemical Corporation; C. F. Burroughs, A. L. Griffin, both of F. S. Royster Guano Company; G. W. Poland, jr., of Stauffer Chemical Company; A. E. Mervine, of New Jersey Zinc Sales Company.

Chromic Acid

The chromic acid indictment was returned against four corporations and eleven individuals who were charged with having over a period of over eight years conspired to raise chromic acid prices artificially, and to fix and maintain such prices at non-competitive levels throughout the United States. Companies engaged in this conspiracy, according to the indictment, were:—

E. I. duPont de Nemours & Co., Wilmington; Mutual Chemical Company of America, New York; Harshaw Chemical Company, Cleveland; and the Martin Dennis Company, Newark, N. J.

Individuals named were:—

E. W. Furst, E. C. Thompson, H. P. Mansfield and E. A. Orem, all of the Grasselli chemicals department of E. I. duPont de Nemours & Co.; Dr. Herbert M. Kaufmann and George A. Benington, both of the Mutual Chemical Company of America; W. J. Harshaw, W. B. Lawson, O. J. Hall and R. S. Wensley, all of the Harshaw Chemical Company; and Clyde D. Marlatt, of the Martin Dennis Company.

Oxalic Acid

Four companies and fourteen individuals were indicted for alleged controlling of prices of oxalic acid by controlling the quantity produced and the channels of distribution, establishing identical prices and refraining from raiding each others customers. They also were accused of monopolizing production of oxalic acid. The corporations named as defendants were:

Victor Chemical Works, Mutual Chemical Company of America, Oldbury Electro-Chemical Company and the General Chemical Company.

Individual defendants named were:—

August Kochs, Walter B. Brown, Otto H. Raschke, I. E. Smith (all four of Victor Chemical Works); Herbert M. Kaufman, George A. Benington, P. W. Carr (all three of Mutual Chemical Company); Frank A. Lidbury, Walter Wallace, Earl L. Whitford, N. H. Fyffe (all four of Oldbury Electro-Chemical Company); Mark Bradley, M. M. Biddison, L. F. Eiklor (all three of the General Chemical Company).

Muriatic Acid

Charges of conspiring to stabilize the price of muriatic acid by entering into exchange agreements, by purchasing from each other for resale to others, by prevailing upon small producers to discontinue the production of muriatic acid, and by using reciprocal relations and discrimination as a means of controlling the sale were returned against four companies and eleven individuals. Companies engaged in this conspiracy, according to indictment, were:—

E. I. duPont de Nemours & Co., Wilmington, Del.; General Chemical Company, New York; Monsanto Chemical Company, St. Louis; Dow Chemical Company, Midland, Mich.

Individuals named were:

E. W. Furst, E. C. Thompson, C. E. Leonard, E. A. Orem, and H. M. Rosencrans, all of the Grasselli chemicals department of E. I. duPont de Nemours & Co.; M. M. Biddison and D. I. Trainer, both of General Chemical Company; J. A. Berninghaus and I. J. Stanley, both of the Monsanto Chemical Company; Willard Dow and J. A. Panter, both of Dow Chemical Company.

Bichromates

The indictment in the bichromates of soda and potash case was returned against four corporations and ten individuals. They were charged with having for a period of over nine years conspired to fix and maintain at non-competitive levels the prices of bichromates sold throughout the United States. Corporations named were:—

Mutual Chemical Company of America, New York; Prior Chemical Corporation, New York; Natural Products Refining Company, Jersey City, N. J.; and the Martin Dennis Company, Newark, N. J.

Individuals named in the indictment were:—

Herbert M. Kaufmann, George A. Benington, and Sumner W. White, jr., all of the Mutual Chemical Company of America; H. B. Prior, Thomas S. Nichols, and F. L. Hensler, all of Prior Chemical Corporation; Harry A. Goman, Stanley L. Weil (died February 1, 1941), and E. Deutz of Natural Products Refining Company; and Clyde D. Marlatt, of the Martin Dennis Company.

---V---

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❷ **CONSOLIDATE YOUR ORDERS:** Instead of ordering certain items one day, and others at a later time, these orders should be *combined* into *one large order.* This procedure will reduce the number of requisitions to be handled, avoid *additional* deliveries where one would serve, and, in the case of truck deliveries, conserve supplies of gasoline and badly needed rubber.

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Dyestuffs, Textile, and Leather Chemicals

No Price Movements in Dyestuffs, Textile, and Leather Chemicals Market as New Quarter Opens—No Relief for Tight Import Situation—Chrome Chemicals Restrictions Eased

The dawn of the new quarter brought little change to the market for dyestuffs, textile, and leather chemicals. There were no alterations in quotations, and the strong tone of many items showed no trend toward easiness, with the import situation unimproved. Factors were studying the new forms that are required to be filled out in connection with the Production Requirements Plan, which became effective July 1.

Noteworthy development of the week was the easing of restrictions on chrome chemicals, particularly in the manufacture of pigments and printing inks, by the Director of Industry Operations. Revisions were made in orders M-18-b, covering various uses of chrome chemicals, and M-53, which relates to the use of chrome pigments in printing inks. Soda bichromate has been moving recently at a better rate.

Two meat-packing concerns and a poultry and egg packer have announced plans for expanding plants to increase egg-drying capacity. Approval for the expansion has been granted by the Department of Agriculture and word on the availability of priorities for the necessary machinery is awaited from the War Production Board.

The WPB took action July 1 intended to increase the amount of woolen cloth to be manufactured for civilians out of the limited quantity of new wool available. Wool Conservation Order M-73 has been extended for six months and amended in several important respects. Most important of the changes is one that decreases the amount of wool available for all-wool fabrics but increases the amount of new wool available for cloth that is mixed with reworked or reused wool or cotton or rayon. The amount of new wool to be used for the armed forces continues unrestricted. Warehouse and Western dealer stocks of grease apparel wool, according to Census Bureau statistics, are reported as 14,639,639 pounds on April 4 of this year. The cotton textile industry of this country produced in 1941 more than 10½ billion linear yards of cotton fabrics, surpassing all previous records, a survey made by the WPB and OPA has revealed. WPB plans 1942 cotton fabric production at 12 billion yards and estimates that military requirements will exceed 50 percent of this output.

Chemicals

Alumina Chloride.—New interest light. Deliveries satisfactory. No change quotably.

Soda Bichromate

Interest attaches to soda bichromate with the announcement by the Director of Industry Operations of the easing of restrictions on chrome chemicals effected through revisions in orders M-18-b, covering various uses of chrome chemicals, and M-53, which relates to the use of chrome pigments in printing inks. For leather tanning the restriction is upped from 90 to 100 percent of the use in the year ended June 30, 1941.

With a better movement of material reported by factors handling soda bichromate it is interesting to compare current less than car lot quotations of 7½c. to 7¾c. per pound with the price structure during World War I, when the level was advanced from a low of 13½c. per pound in 1917 to a high of 29½c. per pound in 1918. At the conclusion of the war prices dropped to 17c. per pound.

Statistics of many years ago reveal that soda bichromate was quoted at 14¾c. per pound in 1881; 8c. per pound in 1891; 6¼c. per pound in 1901; 5⅝c. per pound in 1911; and 4⅝c. in 1913. From the 17c. per pound level at the conclusion of the first World War, prices advanced in 1919 to 35c. per pound. Records of 1924-25 indicate that prices fluctuated from a low of 6¼c. per pound to a high of 7½c. per pound in that period.

Price Changes

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
260.3	260.3	260.3	225.7

Market news that may have developed after this report was sent to press will be found on page 4.

Antimony Salt.—Market tone unaltered. Prices same.

Soda Bichromate.—Material moving at better rate. Restrictions on the use of chrome chemicals, particularly in the manufacture of pigments and printing inks, have been eased by the Director of Industry Operations.

Soda Prussiate.—Material in light demand. Quotations unchanged.

Zinc Dust.—No change in level of demand. Quotations steady.

Dyestuffs

Annatto.—Spot stocks light on both paste and seed. Prices confirmed.

Cochineal.—Good inquiry against tight supplies. No change pricewise.

Fustic.—Quotations fully maintained. Supply situation unchanged.

Hypernic.—Supplies tight. Material quotably unaltered.

Indigo.—Market position unaltered. Quotations confirmed.

Logwood.—Market firm with bottoms scarce.

Madder Dutch.—Spot supplies light. Prices same.

Sizing Materials

Albumen, Blood.—Supply situation tight on soluble dried blood with war call heavy. Light albumen supplies continue at satisfactory level. No changes quotably.

Albumen, Egg.—Heavy call from government. Material not under General Maximum Price Regulation. Quotations confirmed.

Dextrin, Corn.—No change in level of demand on canary or white. Prices same.

Egg Yolk.—Material exempt from General Maximum Price Regulation. No fluctuation as regards quotations. Government demand heavy. Three large concerns have announced plans for expanding plants to increase egg-drying capacity.

Starch, Corn.—New developments lacking. Pricewise, no change.

Tapioca Flour.—Market tone unchanged. Quotations unaltered

Tanning Materials

Chestnut Bark Extract.—Demand at recent levels. Quotations extended for third quarter.

Divi-Divi.—Scarcity of bottoms from South America holds market firm. Quotations confirmed.

Hemlock Bark Extract.—Quotations extended for third quarter. No fluctuation in level of demand.

Myrobalans.—Imports slight with spot stocks low. Prices firm.

Oakbark. — Prices extended unchanged for third quarter.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 9

Association Meetings:—

American Association of Textile Chemists and Colorists, Atlantic City, October 8-11.

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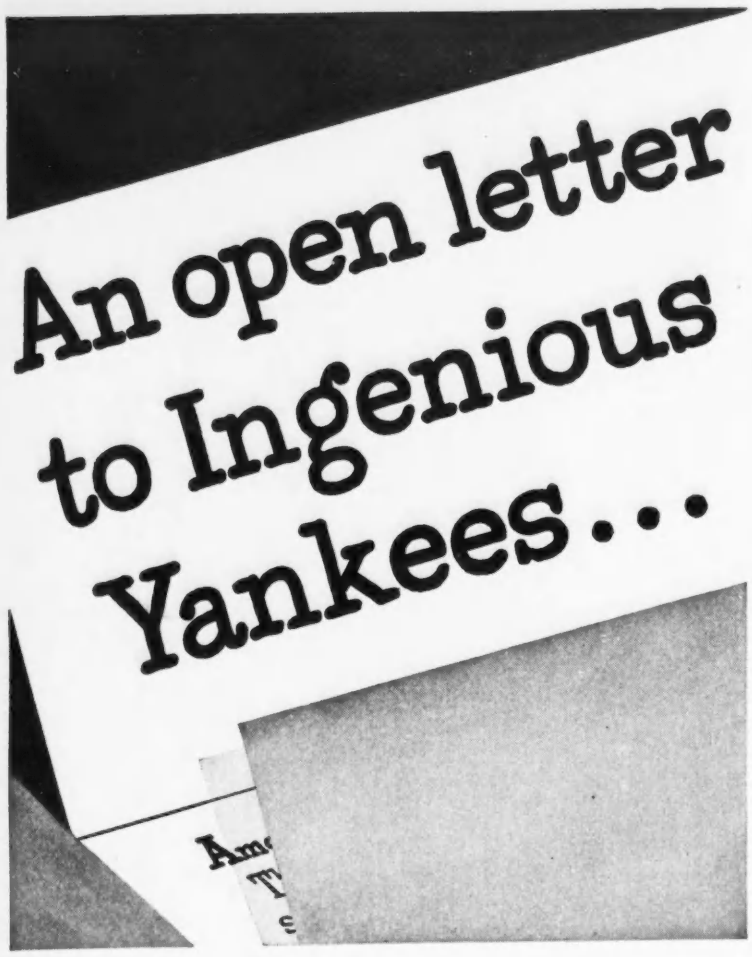

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Coaltar Chemicals

Extremely Tight Supply Situation Continues in Coaltar Chemicals Market—Benzol Now Under Allocation—No Price Movements as Third Quarter Dawns

The extremely tight market position of coaltar chemicals showed no evidences of slackening last week, as benzol was added to the list of materials on allocation. Among basic products the one exception was naphthalene, factors handling this material reporting that a slightly easier supply situation exists. The intermediate market was as bare of offerings as Mother Hubbard's cupboard, but the position of phthalic anhydride remained a little easier with some interests.

There were no changes in price structures, and the general tone was very firm. Quotations on light oil derivatives have been extended to December 31.

Factors were studying the new forms that are required to be filled out in connection with the Production Requirements Plan, which became effective July 1. Coaltar color manufacturers were discussing the new amendment to Dyestuffs Conservation Order M-103, which increases the civilian quota for anthraquinone vat dyes and other anthraquinone dyes to 70 percent of the 1941 use during the third quarter of this year. The quota for the second quarter was 50 percent of last year's use.

Steel operations last week were scheduled at 96.5 percent of ingot capacity, against 98 percent in the previous week, a decrease of 1.5 percent, according to the American Iron & Steel Institute. A month ago the indicated rate was 99.3 percent.

Basic Products

Benzol.—Price unchanged for third and fourth quarters. Allocations now rule with buying heavy. Estimates of by-product cokeoven operations in week ended June 27 indicate production from that source of 3,672,800 gallons of benzol of all grades.

Coaltar. — Material quotably unaltered with tone of market very firm. Estimates of by-product cokeoven operations in week ended June 27 indicate production from that source of 14,336,000 gallons of coaltar.

Coaltar Colors

Although the nonessential uses of anilin dyes have been drastically curtailed, producers are having difficulty in keeping abreast with demand from the government and for approved civilian uses.

Toluene, the base material for trinitrotoluene, is used for processing certain intermediates used in turn for making a number of dyestuffs. About 250 important dyestuffs are derived from anilin, which is being substantially diverted to military needs. Phthalic anhydride, an important defense material, is needed for anthraquinone, the basic element of a vast number of dyes.

Some phthalic anhydride factors have recently been reporting easier supply conditions and it is interesting to note in the light of this that Conservation Order M-103 covering dyestuffs has been amended by the War Production Board to increase the civilian quota for anthraquinone vat dyes to 70 percent of the 1941 use during the third quarter of this year. The quota for the quarter just ended was 50 percent of last year's use.

In contrast to World War I, the dyestuff industry has grown to self-sufficiency in this country. American-made dyes in 1913 amounted to $3,000,000 and imports totaled $13,000,000. Today imports have slumped to negligible proportions and the United States Tariff Commission reports that the production of coaltar dyestuffs in 1940 was 127,834,000 pounds, and sales 122,677,000 pounds, valued at $76,432,000. There was an increase that year of 96 percent in exports of coaltar products.

Price Changes

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
130.1	130.1	130.1	127.7

Market news that may have developed after this report was sent to press will be found on page 4.

Creosote Oil. — Offerings remain light with movement against contracts heavy. Estimates of by-product cokeoven operations in week ended June 27 indicate production from that source of 758,200 gallons of creosote oil.

Cresylic Acid.—New features lacking. Market tone very firm with allocations governing transactions. Quotations unaltered.

Naphthalene. — Slightly better supply situation. Prices confirmed. Estimates of by-product cokeoven operations in week ended June 27 indicate production from that source of 1,599,400 pounds of crude and refined naphthalene.

Phenol. — War demand for phenol continues heavy. Material quotably unaltered. Estimates of by-product cokeoven operations in week ended June 27 indicate production from that source of 213,200 pounds of phenol, all grades.

Toluol.—Quotations unchanged for third and fourth quarters. Material under full priority control with allocations governing transactions. War call very heavy. Estimates of by-product cokeoven operations in week ended June 27 indicate production from that source of 734,500 gallons of toluol, all grades.

Xylol.—No change in quotations for third and fourth quarters. No relief in sight for tight supply situation. Estimates of by-product cokeoven operations in week ended June 27 indicate production from that source of 165,800 gallons of xylol, crude and refined.

Chicago, July 1.—Coaltar bases remain quiet but generally firm. Demand is taking up virtually all offerings of representative grades of material. Benzol business has been in volume to consume all available material. Inquiries generally are active. Ruling prices, exclusive of tax, are:—Benzol, 90 percent, 15c. per pound; motor benzol, 8½c. to 9c. (nominal); toluol, 28c.; 10-degree xylol, 27c.; solvent naphtha, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Cyclohexane.—No new features in market. Quotations confirmed.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 9

Association Meetings:—

American Association of Textile Chemists and Colorists, Atlantic City, October 8-11.

Cyclohexanol.—Market position shows no change. Prices same.

Cyclohexanone.—Demand at recent levels. No change pricewise.

Methylcyclohexanol.—New developments lacking. Prices fully maintained.

Coaltar Acids

Anthranilic.—Tone of market firm. Quotations unaltered.

Benzoic, Technical.—Demand active. Supplies tight. Pricewise, no change.

Gamma.—Good demand against tight supplies. No alterations quotably.

H.—New developments lacking. Quotations same.

Maleic.—Supplies inadequate to satisfy demand. Prices fully maintained.

Malic.—No new features. Prices confirmed.

Picramic.—Supplies tight. Interest good. No change as regards quotations.

Sulphanilic.—Heavy call for CP and technical. Quotations firm, unchanged.

Other Intermediates

Alphanaphthylamine. — Heavy demand with little material for other than essential uses. Prices unaltered.

Anilin Oil.—No new developments. No change pricewise.

Anthraquinone.—Conservation Order M-103 covering dyestuffs has been amended by WPB to increase the civilian quota for anthraquinone vat dyes and other anthraquinone dyes to 70 percent of the 1941 use during the third quarter of this year. The quota for the quarter just ended was 50 percent of last year's use. Other provisions of the second quarter order have been carried over by the new amendment into the third. Anthraquinone quotations continue unaltered.

Benzaldehyde.—No change in market tone. Prices fully maintained.

Benzidin Base.—Supplies tight. Demand unchanged from recent levels. Prices same.

Betanaphthylamine.—Supplies tight with interest at high level. Quotations unaltered.

Diethylanilin.—Supplies tight. No change quotably.

—Continued on page 46

Washington Talks It Over

—Continued from page 5

every fifteen minutes; tanks about one every hour; and artillery and antitank guns, more than one every hour. Machine guns and submachine guns were being literally poured out—something over 100,000 for the one month alone.

Would Mask Skim Milk

The requirement of the food and drug law that products be designated by their common or usual name is raising a howl from the dairy bloc. It claims that billions of pounds of skim milk is being wasted each year because the public won't buy it under that name.

The bloc went to the Food and Drug Administration first with the complaint but was turned down flatly, and it is now asking Congress to change the law so it can call skim milk something else and thus break down consumer sales resistance. Whether Congress will go along with the idea remains to be seen because the consumer groups are on to the move and are launching a counter attack.

Double-Talk on Overtime

The two recent wage and hour law decisions of the supreme court—the Belo and Overnight Transportation Company cases—have proved to be about as confusing to lawyers as anything they have met up with in recent years. Ostensibly the court set out to clear up the questions of what constitutes overtime work and how it shall be paid for, but wound up in just so much double-talk, in the opinion of the lawyers, and no one yet knows the answers. The facts are about thus:—

The court held in the Overnight case that employees must be paid time and one-half for all work in excess of forty hours a week and the regular pay rate is to be computed by dividing the weekly wage by the number of hours worked in the particular week. But it turned around in the Belo case and said this system did not have to be followed at all because the regular rate can also be fixed by contractual agreement between employer and employee, so long as the employee was guaranteed a base pay as much as the minimum required by law.

The Wage and Hour Division later put out a statement to show the significance of the two opinions, but the most significant thing in its statement was that the division intended to pay only lip service to the Belo decision and that it would follow the rule laid down in the Overnight case.

Blocking Overstocking

Attempts to prevent accumulation of consumer goods by retailers have taken a new direction. The Federal Reserve Board is asking banks and financing institutions to use their influence to discourage all unnecessary dealer purchases of civilian goods by scrutinizing every application for funds and handing the borrower only enough to meet his minimum requirements.

Apparently the action is designed to give distributors, in conference with their bankers, opportunity to prevent the building up of excess inventories. The degree of success may determine whether more drastic steps will be taken later. Special situations are not affected, however, such as the need for fuel oil storage or the need of accommodating dealers having on hand stocks held under freezing or rationing orders.

WPB Cracks Down

"Teddy" Roosevelt's foreign policy was based on the idea that you should talk softly but always carry a big stick. In the main that too has been the policy of WPB in its dealings with violators of its conservation orders, but a noticeable change is now beginning to take place. From here on there is to be less talk and more use of the stick.

Two firms had this brought home to them this week. Charged with violating the conservation orders on aluminum, they were presented with orders prohibiting them from selling the articles they made from the aluminum until the orders are revoked—which may not be until after the war.

Also the board let it be known that it is now in the midst of checking the operations of approximately 1,000 foundries using aluminum for the purpose of seeing whether there has been any diversion of this scarce material from war purposes.

Exports Get WPB Interest

Steps have just been taken by WPB to smooth out one of the big wrinkles in the general program of distributing materials by setting up a foreign requirements branch in the bureau of priorities to act as liaison on priority matters involving WPB, the Lend-Lease Administration, and the Board of Economic Warfare.

It was a step that was long overdue. WPB was faced with a diffcult problem even from the beginning of seeing to it that the industrial war machine does not slow down for lack of materials, this problem has been made more difficult by reason of the fact that there has been no centralized agency through which foreign priorities flowed. The hope is now expressed that this is a thing of the past and that coordination will replace confusion.

The principal function of the new branch will be to obtain a complete picture of foreign nonmilitary requirements and relate them to the broad policy on distribution of materials to be established by WPB's requirements committee. The branch will be the funnel through which will flow all applications for priorities from foreign governments or purchasers in foreign countries (except Canada). In cooperation with existing agencies, the branch will also develop improved procedures for handling priorities on materials and products for export.

The branch is headed by Fred Lavis, jr., who has been a specialist in the automotive branch of OPM and WPB since September, 1941.

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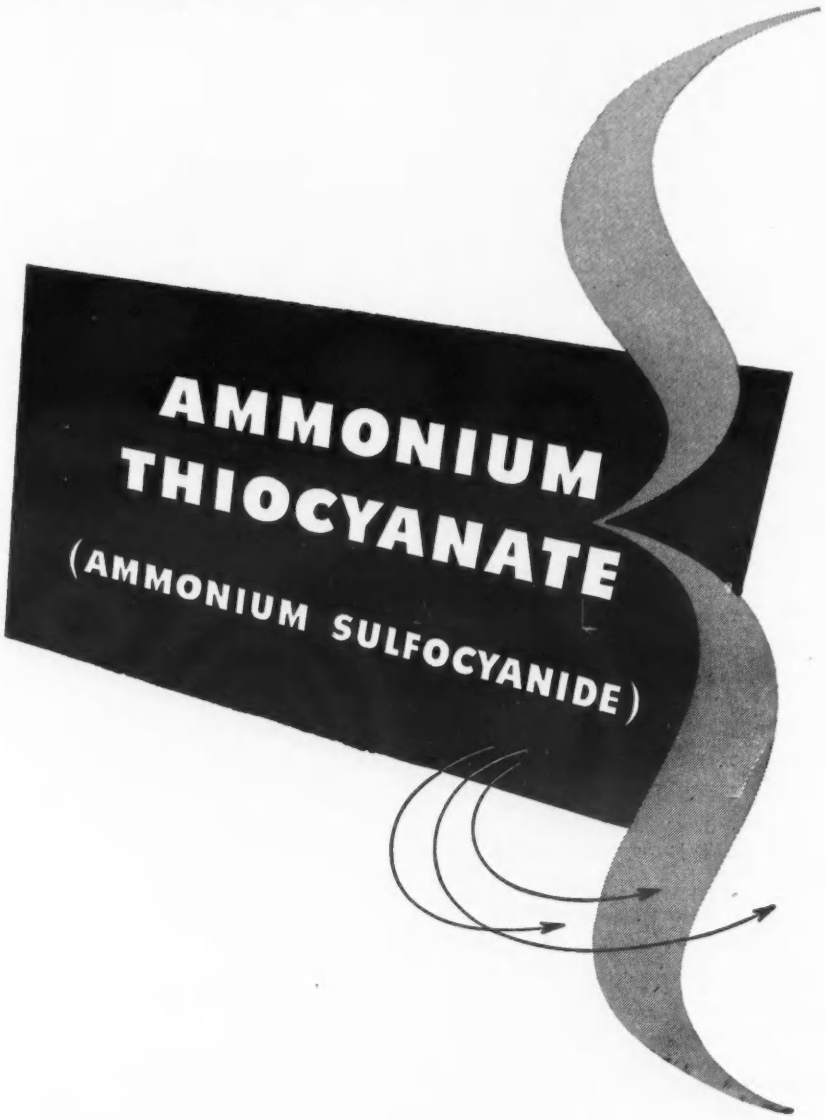
U.S.O. Needs Your Contributions



HERE is a newly-available ammonium salt with interesting possibilities introduced by the thiocyanate group.

If you are now using an ammonium salt in your processes . . . such as chloride, acetate, oxalate, carbonate or nitrate . . . perhaps you will discover valuable modifications by substituting ammonium thiocyanate.

It is worth testing in your laboratory.

Ammonium thiocyanate has a behavior similar to other ammonium salts, but it also brings you all the variations of the thiocyanate group.

This group is remarkably stable and, in many reactions, resembles the halogens.

Koppers has recently placed in operation a large commercial plant for the production of ammonium thiocyanate crystals and can now offer this chemical in quantity at substantial savings over former costs. Koppers can supply ammonium thiocyanate in crystal form having a minimum purity of 95%.

Test samples, quotations and other information sent on request.

KOPPERS

KOPPERS COMPANY
Tar and Chemical Division
PITTSBURGH, PA.

Coaltar Chemicals

Other Intermediates

—*Continued from page* 45

Dinitrobenzene. — Demand heavy. Offerings light. Prices confirmed.

Metaphenylenediamine. — Call for material far ahead of supply. Quotations firm, unchanged.

Orthonitroanilin.—Material in tight supply. No alterations quotably.

Paradichlorobenzene.—Interest continues at fairly good level with supply conditions tight.

Phthalic Anhydride.—Easier supply situation continues with some factors. Allocations rule. Prices fully maintained.

Coaltar Colors

The coaltar color demand remained seasonally lighter in some quarters last week, though there was no let-up in the call for dyes needed in the production of military goods. Dyestuffs Conservation Order M-103 has been amended by the War Production Board to increase the civilian quota for anthraquinone vat dyes and other anthraquinone dyes to 70 percent of the 1941 use during the third quarter of this year. The quota for the second quarter was 50 percent of last year's use. The trade has been informed that all other provisions of the second quarter order are carried over by the amendment into the third, including the prohibition against civilian use of the nine colors reserved for exclusive use of the armed forces.

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Protective Coatings Unit Has 33 WPB Men

—*Continued from page* 5

land, business specialist; William North, analyst; and Wells Martin, industrial specialist.

The unit chiefs and staff personnel are as follows:—

Paint, varnish and lacquer:—E. H. Bucy, chief; Daniel M. Gray, Charles M. Rice, A. C. Goetz, Benjamin M. Belcher, Thomas Craig, and Walter Masland, industrial specialists; Victor T. Burr, priorities analyst; Thomas Kee, Harry J. Schnell jr., and Sylvester Kaas, analysts; and G. L. Erikson, consultant.

Pigments and colors:—Benjamin M. Van Cleve, chief; Thomas Starkie and Roy Shive, industrial specialists; Charles Luke, Charles H. Love, Charles A. Harrison; and S. L. Karpeles, analysts.

Associated products:—The position of unit chief for this group is vacant. Personnel of the unit is G. H. Schmitz, Frederick Mehlhop, J. B. Wiesel, Dexter Lewis, Merle Griffin, and Edmund C. Wood, industrial specialists; Harry P. Allison, industrial analyst; Harry W. Howard, priorities analyst; and Garrett H. Peters, analyst.

C. S. Ladd, of North Dakota, well known in the paint, food and drug fields in connection with setting up standards for consumer protection, is now associated with the standards section of the consumers division in the Office of Price Administration. Mr. Ladd is in charge of a unit concerned principally with the problem of standards for protective coatings, foods, drugs, cosmetics and chemicals. Attention is being focused by the unit at this time chiefly on those items for which specific price ceilings have been established, such as in the case of canned fruits and vegetables, beef, and gasoline.

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Advance Solvents & Chemical Corporation, this city, has appointed Phil Green as its Southeastern representative for "Soligen" driers, modified "Soligen" driers, and "Advasol" driers.

CRESYLIC ACID

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Substitutes and Extenders

Information on the Replacement of Scarce Materials and the Eking Out of Short Supplies

Seventh Instalment—Fully Protected by Copyright

Alkyd Resins
In varnishes—Maleic resin with celesterol.

Aluminum Powder
In anticorrosion paints—Ferrichrom-glucosate (ferric salt of quachrom glucosate).

Aluminum Stearate
As a flattener in paints—Stroba wax.

Antimonial Lead
As construction material of storage battery plates—Alloy of lead, 99.9 percent, and calcium, 0.1 percent.

Barytes
As diluting filler in rubber batches—Celestine; charcoal; ground earthenware scrap; molochite (a china clay product); slate flour; strontium sulphate.

Bentonite
In various applications—Fullogel (a treated fuller's earth).

Benzoic Acid
In various applications—Cumic acid.

Borax
In ceramic processes—Titanium dioxide.

Glycerin
In textile processing—Sodium lactate; alro-hydrine.

Japan Wax
In various applications—Nipocer N.

Latex
As an extender of latax in rubber compounding—Alkyd 17-B.
As an impregnating agent—Emulsion 58-8.

Lemongrass Oil
As an odorant and as a source of citronellal—Oil of *Leptospermum citratum.*

Montan Wax
In various applications—Rezowax A and B.

Orthocresol
As a gum inhibitor in cracked gasoline—Mesitol.

Phenol-Aldehyde Resins
In various applications—Furfuryl alcohol-lignin resins.

Quince Seed
In lotions and hair dressings—Alginates, irish moss, pectins.

Quinine
In medicines for colds, grippe, and similar afflictions—Salicin.

Red Lead
In rustproofing coatings for iron and steel—Silicon-aluminum alloys.

Rose Oil
As an odorant—Rhodinol; rose oil in combination with citronellol, geraniol, nerol, or phenylethyl alcohol.

Saponin
In technical applications—Foamapin liquid.

Sodium Hyposulphite
As an antioxidant in soaps—Indalone (dihydropyrone); SA 326 (an organic amine).

Sulphonated Lauryl Alcohol
As a wetting or washing agent in textile and shearling processes—Tetrahydrofurfuryl alcohol; tetrahydrofurfuryl carbinol.

Sweet Almond Oil
In ointments and creams—Apricot kernel oil; cherry kernel oil; peach kernel oil.

Tin
In bearing metals—Silicon-bronze alloy.
As a construction material for tubes—Colonial V plastics.

Tin Babbitt Metal
In machine bearings—Aluminum alloy AN 2.5 (contains 2.5 percent of nickel).

Trichloroethylene
As a wetting and cleansing agent in textile proceses:—Tetrahydrofurfuryl alcohol; tetrahydrofurfuryl carbinol.

Triethanolamine
As a processing agent in various applications—Product S489.

Turpentine Oil
As a solvent in various compositions—Decalin (decahydronaphthalene); tetralin (tetrahydronaphthalene).

Paint, Varnish, Lacquer Materials

Painting Operations on Increasing Scale Reported in Regions Hitherto Lagging—Fair Volume of Buying in Some Pigments —All Casein Prices Slide Further Downhill

Latest reports on painting operations in all sections of the United States indicate considerable shifting of the scenes of greatest activity from regions recently busiest on this score to others where such operations had been retarded by misunderstanding of the attitude of OPA and WPB toward repainting and redecorating work, but where it is now realized that there is nothing in the existing orders or rulings of these government agencies prohibiting or discouraging such work when necessary for proper maintenance. While construction of new buildings requiring paint has lagged of late in all except war work housing areas, there has been no letup in the erection and assembly of camp units, ammunition storehouses, air and shipping bases, all of which call for vast quantities of paints, varnishes and lacquers. There is likewise a heavy demand for paints to protect munitions, machine parts, tanks, planes, motor lorries and ships.

Thus the absorption of prepared paints continues by a process of attrition to reduce stocks in the hands of retailers and wholesalers. Yet, because these stocks were abnormally enlarged in the concluding quarter of the last year and the first quarter of this year, they are not yet depleted in many lines. Hence the need for universal replenishment has not yet become pressing. So paint mixers generally continue buying only sparingly, in hand-to-mouth fashion, from the producers of materials.

The only important price revision made within the past week has been a further shading of prices asked for both domestic and Argentine casein.

Metallic Lead and Zinc

Greater ease is now shown in the current supply of metallic lead available for normal users as well as the war industries. But with the lead producers' pool still operating, stocks are not yet large. According to the American Bureau of Metals, production of refined lead for May reached a total of 51,213 tons, as compared with 58,950 tons for April. Domestic shipments in May totaled 52,874 tons, against 54,726 tons in the preceding month. Stocks on May 31 stood at 29,707 tons, contrasted with 31,734 tons at the end of April. This revealed the first reduction in stocks reported in seven months. Zinc slabs are in more comfortable supply, with plenty of prime Western spelter coming in and with stocks of high-grade and intermediate material accumulating slowly.

Lead . — Prevailing spot prices at New York, St. Louis and London for the period from June 26 to July 3, inclusive, were as follows:—

	Pigs		
	Per pound		London. Per ton
	New York.	St. Louis.	£ s. d.
Saturday	$0.0650	$0.0635	* .. .. ..
Monday	.0650	.0635	.. .. ..
Tuesday	.0650	.0635	.. .. ..
Wednesday	.0650	.0635	.. .. ..
Thursday	.0650	.0635	.. .. ..
Friday	.0650	.0635	.. .. ..

* London exchange closed.

Price Changes

Advanced

None

Reduced

Casein, domestic, 20-30 mesh and 80-100 mesh, in bags, delivered, 1c. per lb.; Argentine, 20-30 mesh and 80-100 mesh, cost and freight basis, ¼c. per lb.
Film scrap, in lots of 1,000 lbs. and over, dark colors, ½c. per lb.; light colors and waterwhite, 1½c. per lb.
Rosin, gum, 8c. to 25c. per 100 lbs.
Turpentine, gum, ½c. per gal.

Comparative Values

Index numbers compiled from four typical fertilizer materials, on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
141.4	141.4	141.4	129.8

Market news that may have developed after this report was sent to press will be found on page 4.

Ilmenite-Titanium

Behind the recent announcement by WPB of the lifting of all inventory and other restrictions from ilmenite is an interesting story of how the resourcefulness of two leading manufacturers of paint pigments have saved the American paint industry from a threatened famine in this mineral containing approximately 53 percent titanium dioxide together with 47 percent iron, which is used so extensively in the making of these pigments.

It had been known for more than a century that there were huge ore deposits containing ilmenite as well as magnetite and vanadium on a hillside at Sanford Lake, one of the mountain sources of the Hudson River, in a hitherto wild and wholly undeveloped section of the Adirondacks, in Essex County, New York State. But little interest was manifested in them until it became evident about a year ago that Axis submarine attacks on American shipping were slowly but surely depriving this country of its principal source of titanium at Travancore Beach in India. Then, the National Lead Company and E. I. duPont de Nemours & Co. decided to collaborate in developing them with a huge mining operation of the open-pit type and with gigantic mills at a settlement of their own creation known by the Indian name, Tahawus.

Paint, Varnish, Lacquer Sales: May

The value of paint, varnish, lacquer and filler sold in May, as reported by 680 establishments to the Bureau of Census, was $49,204,268. Details of sales reported by these establishments and comparative data for 1941 follow:—

		Classified sales reported by 580 establishments				Unclassified sales reported by 100 establishments.
	Total sales reported by 680 establishments.	Trade sales of paint, varnish, and lacquer.	Industrial sales			
1942.			Total.	Paint and varnish.	Lacquer.	
May	**$49,204,268**	**$26,000,489**	**$18,140,194**	**$13,692,283**	**$4,447,911**	**$5,963,585**
Total, 5 mos.	$240,024,928	$120,527,497	$92,856,377	$68,538,363	$24,318,014	$26,641,054
1941.						
May	$58,413,147	$32,517,730	$20,544,153	$15,044,905	$5,499,250	$5,351,262
Total, 5 mos.	$218,857,468	$112,136,770	$86,909,545	$62,190,681	$24,718,864	$19,811,153

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 9

PAINT PROTECTS AMERICA

The uppermost thought in everyone's mind these days is "Protect America". One person's idea of how best to do this may differ from his neighbor's idea, but there is no difference in their objective. "Protect America"

Our part in the program to "Protect America" is to comply with the government regulations by converting a limited supply of raw materials into Synthetic Resins; first for Defense requirements, then for essential civilian use, and finally for a better painted America.

Our raw material suppliers, working on similar production programs, are cooperating with us wholeheartedly.

Present conditions have worked a hardship on some of our customers, but their patient and understanding attitude has been most helpful to us at these critical times and we wish to thank our many good friends for their cooperation.

PARAMET SYNTHETIC RESINS

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

STEARATES
ZINC • ALUMINUM • CALCIUM • MAGNESIUM

Highest standards of quality dependable deliveries in cartons, ton lots and carloads

THE SYNTHETIC PRODUCTS CO.
LONDON RD. & EUCLID AVE., CLEVELAND, OHIO
ESTABLISHED 1917

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Secondary Butyl Alcohol
for BETTER AND CHEAPER
LACQUERS
STAINS
POLISHES
DETERGENTS
Sample and a copy of "Solvents Derived from Petroleum" available
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STEARATES
ZINC STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
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Stocks at
• NEW YORK
• CHICAGO
• ST. LOUIS
• PHILADELPHIA
• DALLAS
• MEMPHIS
• SHAWNEE, OKLA.
• LOS ANGELES
• SAN FRANCISCO
• OAKLAND
• SEATTLE
• PORTLAND, ORE.
FRANKS CHEMICAL PRODUCTS CO.
BLDG. 9, BUSH TERMINAL — BROOKLYN, N.Y.

FERRO DRYALL Tallate DRIERS
TO REPLACE NAPHTHENATES

Characteristics — No high acid values, no reaction with basic pigments. • Stable in concentrated form or diluted with spirits. • Contain some rosin acids. • Minimum discoloration of paints and varnishes. • Excellent drying activity. • Compare them with your usual naphthenate driers, these six—
DRYALL Cobalt Liquid Tallate 4%
DRYALL Cobalt Liquid Tallate 6%
DRYALL Manganese Liquid Tallate 4%
DRYALL Lead Liquid Tallate 16%
DRYALL Zinc Liquid Tallate 7%
DRYALL Zinc Liquid Tallate 5%
FERRO DRIER & CHEMICAL CO.
SOLE SALES AGENT—W. B. LAWSON, INC.
UNION COMMERCE BUILDING • • CLEVELAND, OHIO

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from June 26 to July 3, inclusive, were as follows:—

	Slabs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0866	$0.0825	*.. .. ..
Monday	.0866	.0825	.. .. ..
Tuesday	.0866	.0825	.. .. ..
Wednesday	.0866	.0825	.. .. ..
Thursday	.0866	.0825	.. .. ..
Friday	.0866	.0825	.. .. ..

* London exchange closed.

Pigments

Blue Lead.—Stocks fair-sized. Demand brisk. Tone steady.

Litharge.—In better inquiry. Supplies normal. Market stable. Production in April has just been reported as amounting to 8,004 tons, compared with 10,746 tons for the preceding month. The combined output for the first four months of this year has reached a total of 37,474 tons, contrasted with 30,720 tons for the corresponding period of last year.

Lithopone. — Demand increasingly active. Supplies limited. Prices well maintained.

Red Lead.—In good call. Offerings normal. Tone steady. Output of red lead in April amounted to 3,790 tons, compared with 4,190 tons in March. Production of lead pigments in April showed a marked decline to the lowest level reached in months.

White Lead.—In fair demand. WPB's recent General Preference Order M-126 has made enough of zinc sulphide pigments available to meet the needs of normal users as well as all war needs.

Driers

Stearates continue in good demand. Paint and varnish makers are reporting satisfactory results from using substitutes for naphthenic acid which can now be used only on war work. Cobalt combinations continue under allocation. Marketwise there have been no changes in the products of the other non-ferrous metals.

Fillers and Extenders

Asbestos.—Supplies large. Demand from paint trade light. Tone steady.

Barytes.—In good call. Offerings moderate-sized. Market steady.

Charcoal.—Fair request noted. Offerings normal. Prices steady.

China Clay.—Moderate call for both domestic and foreign materials. Supplies small. Market stable.

Diatomaceous Earth.—All grades in fair demand. Stocks normal. Prices firmly held.

Fuller's Earth. — In moderate inquiry. Offerings fair-sized. Prices unchanged.

Graphite.—Supply adequate for current needs. In fair demand. Tone steady.

Gypsum.—Buying interest reaching only small proportions. Stocks fairly liberal. Market stable.

Mica.—In good demand, with paint industry absorbing sizable quantities. Prices well maintained.

Talc.—All types in fair request. Offerings normal. Tone steady.

Whiting.—Movement routine. Market featureless. Prices unaltered.

Lacquer Materials

Acetone.—Material in light to spotty demand. Individual ceiling rules quotations.

Film Scrap.—A schedule of maximum prices for unwashed or washed film scrap, when sold in quantities equalling or exceeding 50 pounds, and for dissolved film scrap, when sold in quantities equalling or exceeding five gallons, has been established effective June 30. Quotations on large quantities of dark color film scrap accordingly have been reduced ½c. per pound, making the new price 13½c. per pound; light scrap is down 1½c. and now also is quoted at 13½c. per pound, with waterwhite becoming 14½c. per pound, likewise 1½c. lower.

Nitrocellulose.—Heavy demand from war industries leaving little material for civilian use. Prices confirmed. WPB advises that all cotton linters produced up to midnight July 31 will be considered as coming under the terms of General Preference Order M-12 and may be marketed 80 percent to the chemical industry and 20 percent as the seller chooses. This applies to both old and new-crop cottonseed. Linters produced after midnight, July 31, will come under a new order governing the production of linters, which requires the sale of 100 percent to the chemical industry.

RUBBER SOLUTIONS
FOR PAINT MANUFACTURERS
SPECIAL FORMULA
RUBBER CEMENT
FOR INDUSTRY
(on war orders)
RUBBER AND ASBESTOS CORP.
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No. 3
Collapsible
Tube Filler
(For Hand Operation)
This machine will fill tubes up to 1 in. x 5½ in. with any material ordinarily put in collapsible tubes. One turn of the handle puts the correct quantity in each tube. Larger tubes can be filled by adjusting the screw "C" for half the quantity desired and making two turns of the handle.
The nozzle "A" is made to suit tubes of different diameter and length. Special nozzles can be furnished for filling cans, jars or bottles.
ARTHUR COLTON CO.
2624 E. Jefferson Av., Detroit, Michigan

MINERAL PIGMENTS
Meeting Specifications of the Army, Navy, Maritime Commission, Federal Specifications Board, Panama Canal, & other Government Agencies.
For Protective Coatings, Camouflage, and other essential requirements of the Victory Program.
C. K. WILLIAMS & CO. EASTON, PA.

Shawnee
DRY COLORS
"Color Content Guaranteed"
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Cadmium Colors
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents In Principal Cities
Distillers of Coal Tar Products

Naval Stores

Demand slowed down in Southern and local markets for rosin and turpentine last week following the spurt in business in the previous period, due to the recent announcement that the government intended to accumulate a stockpile of both products. Apparently the upturn in prices had been too rapid, especially as the government apparently took little if any real action in the matter of building up reserve supplies. In such circumstances an easier tone developed and the price trend was downward at times. Sentiment concerning the outlook continued rather optimistic, however, developments last week being regarded as merely temporary. Reports were current of an increase in the movement to consumers in some instances, especially in the paper industry. Marketing in the South showed an increase as usual at this period but the expansion was not very pronounced.

Turpentine — Quieter conditions prevailed here, buyers being disposed to curtail purchases pending further developments in the South where the price trend was reactionary.

Savannah, July 3.—Following is a record of the turpentine market for the week:—

	Gallons Cents.	Gallons Sales.	Barrels Receipts.	Barrels Shipments.	Barrels On hand.
Saturday*	..	...	...	...	...
Monday	61	8,000	210	187	9,481
Tuesday	61	...	470	28	9,923
Wednesday	59	...	492	56	10,359
Thursday	59½	5,750	97	92	10,364
Friday	60	11,000	167	75	10,454

* No trading.

Jacksonville, July 3.—Turpentine stock, 7,510 barrels.

London, July 3.—Turpentine, 68s. 6d. per cwt.

Rosin.—The local market was easier, influenced by a setback in prices in the South as a result of lessened demand. Purchasing here was generally limited to small lots for prompt shipment.

Savannah, July 3.—Following is a record of the rosin market for the week:—

Price per unit—Low of range quoted	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$3.10	$3.07	$3.00	$2.90	$2.90
D	...	3.16	3.01	3.00	2.95	2.93
E	...	3.15	3.06	3.03	3.00	2.96
F	...	3.17	3.10	3.05	3.02	3.03
G	...	3.20	3.15	3.10	3.11	3.11
H	...	3.22	3.20	3.12	3.13	3.12
I	...	3.26	3.26	3.17	3.18	3.17
K	...	3.35	3.35	3.27	3.23	3.22
M	...	3.40	3.40	3.32	3.26	3.25
N	...	3.45	3.45	3.33	3.30	3.30
WG	...	3.50	3.50	3.37	3.35	3.35
WW	...	3.50	3.50	3.42	3.42	3.42
X	...	3.50	3.50	3.42	3.42	3.42
Barrels						
Sales	...	309	105	200	136	210
Receipts	...	333	1,147	717	498	418
Shipments	...	...	378	483	345	75
Stocks	...	...	...	...	...	58,871

* No trading.

Jacksonville, July 3.—Rosin stock, 164,010 barrels.

London, July 3.—Rosin, W.W., 33s. per cwt.

Other Naval Stores

Pine Oil.—Steady contract movement. Spot supplies generally light. Market steady.

Rosin Oil.—Moderate lots in fair demand. Tone firm.

Tar.—Output moving steadily on contracts and new orders.

Dry Colors

Alkali Blue Toner.—A fair amount of buying interest is manifested in this material. Offerings continue normal. Market steady.

Bone Blacks.—In moderate call. Stocks limited. Tone steady.

Cadmium Colors.—Demand fairly active. Offerings moderate-sized. Recent WPB order limiting use of cadmium to essential war and civilian uses continues to hold down the movement of these colors.

Carbon Blacks.—In increasing demand. Shipments to the rubber industry running larger. Tone keeps firm. Gas blacks are in good inquiry. Market stable.

Chrome Colors.—Offerings becoming more liberal. Takings fairly large by normal users. Producers have been relieved by recent WPB order of restrictions hitherto prevailing on basic materials and are now in a position to fill all orders once more.

Lithol Toners.—In good request. Supplies rather light. Prices strongly held.

Mercuric Oxides.—Greater buying interest manifested. Supply situation tight. Tone strong.

Ochers.—In fair inquiry. Offerings normal. Market steady.

Vermilion.—Demand fairly active. Stocks large. Prices well maintained.

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the REPORTER under Market Prices Current.

Chlorinated Rubber.—Only a fair demand is shown for this product. Because of the restrictions imposed on rubber, the production of this commodity has been markedly reduced. It is now available only under WPB authorization for essential war purposes, and in very limited quantities. One important producer is using his equipment for the manufacture of chlorinated paraffin which is in brisk demand for coating fabrics.

Ester Gum.—Demand light. Supplies fair-sized. Market stable.

Shellac

The week did develop something in the way of relief from the frozen-stock situation that has gripped the shellac industry for some time past.

By permission of the War Production Board, stocks of seedlac, previously frozen in compliance with the WPB order that froze 50 percent of shellac stocks, may now be bleached. This will affect bleachers in varying degree. For the bleacher using seedlac mainly in the bleaching plant, the new WPB position will afford substantial relief. For the bleacher whose spot stocks hold more flake shellac than seedlac, the relief will not be so great.

Meanwhile, it is estimated that WPB is cooking up a new order that will apply, it is believed, solely to flake shellac.

Varnish Gums

Although new buying continues rather light, shipments against previous commitments are being made in sizable amounts. Copal from the Belgian Congo continues to come in, but sorted grades are available only in meager broken lots. There is a fair supply of unsorted material. Virtually no new arrivals of East Indian resins are reported or expected. Prices continue firmly held.

Glues and Binders

Casein.—The unrelieved combination — superabundance of milk and waning demand—has again resulted in the granting of concessions on both domestic and Argentine casein by the leading producers and importers, in the hope of reviving the flagging buying movement. But even this additional shading of quotations has failed to evoke purchasing on any but a small scale. Prices of domestic casein have been reduced a full cent further to a basis of 15c. a pound, while those for Argentine goods have been cut down a quarter cent more to a basis of 12¾c. a pound, cost and freight, South American ports, the equivalent of 16½c. landed here.

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Oils, Fats, and Waxes

Cottonseed Oil Remains Quiet in Local and Southern Markets —Crude Offers Still Lacking — Imported Edible Olive Oil Lower; Domestic Steady—Flaxseed Crop News Good

There were few developments of interest in the market for miscellaneous vegetable, animal and fish oils, fats and greases last week. Buyers and sellers were disposed in many cases to hold aloof for further developments in view of the depressing character of war news and the prevailing uncertainty concerning tax and other affairs at Washington, and such transactions as were reported were limited to small lots. Imported edible olive oil was available at further concessions. Shading of quotations on crude corn and soybean oils was reported, but in many instances prices were still largely nominal. Flaxseed crop news was very favorable in the main, and it was predicted in some quarters that the first government crop report for the season, due on July 10, would point to a record-breaking yield.

Vegetable Oils

Castor, Dehydrated.—Inquiry remained good. Raw material reported in light supply. Market firm.

Chinawood. — Occasional resale transactions reported at 1c. to 2c. below prevailing market. Little doing in regular trade quarters.

Corn.—Quiet and nominal. Reports of crude offerings at concessions of ¼c.

Olive.—Trade slow. California edible oil steady. Imported reduced 25c.

Peanut.—Nominal crude quotations shaded ⅛c. to ¼c. Refined steady. Offerings light.

Soybean.—Crude and refined quiet. Reports of crude offerings at concessions of ¼c. to ⅜c.

Markets at Other Centers

Chicago—July 3

Vegetable oils quiet. Coconut oil, refined, edible, 15¾c. to 16c. per pound. Corn oil, crude, 12⅝c. to 12¾c. per pound; refined, edible oil, 15¼c. to 15½c. per pound, drums, car lots. Soybean oil, June-forward, 11¼c. to 11½c.

The market for soybeans on the Chicago Board of Trade was fairly active. Following is a soybean price record, per bushel, for the week:—

	High	Low	Closing July 3	Closing June 26
July	$1.78⅞	$1.73½	$1.77⅝	$1.77¼
October	1.77⅞	1.73¼	1.75⅝	1.74½

San Francisco—July 1

Vegetable oils generally lethargic. Trading narrow. Mostly at ceiling prices.

Coconut.—Qualified buyers can purchase at ceiling in limited way. Imports of copra from South Seas recently appeared here.

Sesame, Crude.—From Guatemalan seed. Offered in limited lots at 15¼c. per pound in tankcars.

Linseed Oil

Flaxseed prices moved within moderate limits. Linseed oil and meal steady.

Minneapolis, July 3.—Higher iodine Southern cash flaxseed in good demand and firm; poorer quality Northern seed taken mostly by a cash house. Receipts lighter; shipping advices much smaller. Weakness in futures today due to liberal offerings and purchases of new-crop flaxseed for delivery by September 25, and better weather for crop. Early sown fields up to central North Dakota in blossom; through southern area most of crop now in boll stage and excellent. The week's closing flaxseed price range was as follows:—

	Cash	July	Sept.
Saturday	$2.56½	$2.50½	$2.52⅛
Monday	2.55½	2.49½	2.51⅜
Tuesday	2.56¼	2.50¾	2.52
Wednesday	2.58	2.52	2.53½
Thursday	2.54½	2.48½	2.50½
Friday	2.53	2.47	2.48½

Crop movement in bushels follows:—

	Receipts 1942	Receipts 1941	Shipments 1942	Shipments 1941
This week	130,000	214,200	16,400	19,600
Since Sept. 1	13,418,700	4,563,200	2,208,500	1,682,900

Buenos Aires, July 3.—Flaxseed, $1.38⅛ per bushel. Exports this week, 323,000 bushels, including 114,000 bushels to the United States. Total since January 1 as follows:—

To—	Bushels This year.	Bushels Last year.
United States	8,900,000	.....
United Kingdom	868,000	.....
Continent	185,000	.....
Orders	.....	.....
Others	24,000	.....
Totals	9,977,000	.....

Visible Supply

	Bushels.
Last week	27,953,000
Previous week	28,346,000
Last year	.....

Linseed Oil.—A steady tone prevailed here in the absence of any wide changes in flaxseed quotations. Movement from local mills on contracts apparently held up well, but new business was generally quiet. Flaxseed receipts in Northwestern markets smaller. Good quality seed in demand. Crop news mostly favorable, aside from excessive moisture and cool weather in some sections. First government flaxseed crop report due July 10. Threshing in California reported about half completed; acreage for 1943 expected to be heavily increased.

Minneapolis, July 3.—Linseed oil somewhat more active, but no important buying. Distress oil held by manufacturers unable to get constituent material for operations apparently cleaned up. Mills still running at full capacity. Tankcars, 12.8c. per pound; cooperage, car lots, 13.7c.; warehouse lots, 14.1c.

Shipments of oil in pounds were as follows:—

	1942	1941
This week	5,650,000	5,100,000
Since Sept. 1	208,080,000	170,830,000

San Francisco, July 1.—Market advanced. Buying light with drum lots featured. Deliveries against old contracts good. Harvesting new crop flax makes good progress. California receipts for season now more than 1,350,000 bushels. Crop quality better than a year ago. Oil quoted:—Tankcars, 13.1c. per pound; drum car lots, ex mill, 14c.; drum lots, ex warehouse, 14.4c.

Linseed Meal.—Local market steady. Fair movement here. Trade more active in outside markets.

Minneapolis, July 3.—Linseed meal is more active, influenced by strength of soybean meal. Car lots, July-August, $32 per ton; September, $32.50; October-December, $33.

Price Changes

Advanced

None

Reduced

Corn oil, crude, ¼c. per lb.
Olive oil, imported, edible, 25c. per gal.
Peanut oil, crude, ⅛c. per lb.
Soybean oil, crude, ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
193.9	194.3	194.2	161.2

Market news that may have developed after this report was sent to press will be found on page 4.

Chinawood Oil

Sales of chinawood oil by manufacturing consumers who are prevented by government war regulations from using this product continued to be reported last week at 36 to 37 cents per pound. The volume of transactions of this nature closed during the period was apparently considerably lighter than in recent preceding weeks, creating the impression among some that supplies have diminished materially and that a resumption of business in regular chinawood oil trade channels may reasonably be expected at prevailing market prices, in the not distant future. According to official statistics covering factory operations during the first quarter of 1942, consumption of chinawood oil for the period was 4,225,000 pounds, against 14,311,000 pounds in the same time last year, while factory and warehouse stocks at the close of the quarter were 31,505,000 pounds against 43,240,000 pounds.

Current prices on animal, vegetable, and fish oils (under Oil), fats and greases (under Grease) are given in the alphabetical list of prices beginning on page 9

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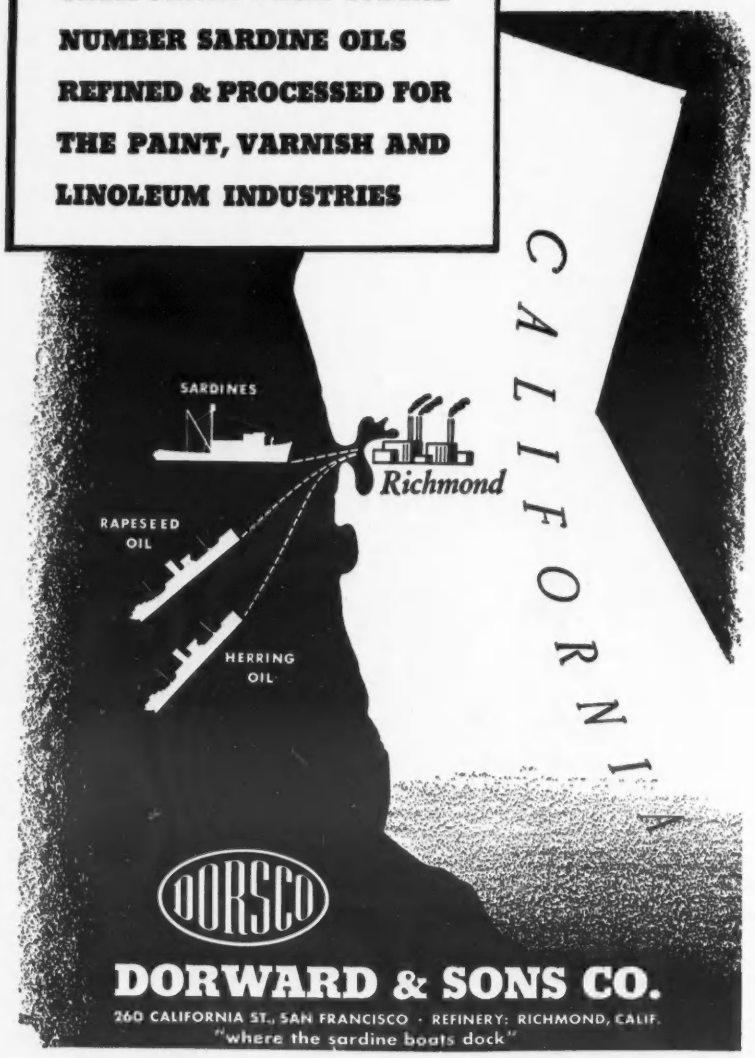

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Shipments of meal in pounds were as follows:—

	1942	1941
This week	7,240,000	6,600,000
Since Sept. 1	370,370,000	309,132,000

Cottonseed Oil

Refined cottonseed oil futures dull. Crude offerings scarce. Meal more active. Crop news mainly favorable.

Cottonseed Oil.—The local market for refined oil futures was quiet throughout the week, local and other traders still being disposed to hold off for further developments in outside markets and in affairs at Washington, as well as in the cotton crop situation. There were few developments of interest. Crude oil offerings were still lacking. Soybean futures weakened at one time but rallied later. Reports were current of shading of quotations on crude corn and soybean oil, but offerings were generally light with prices held at the ceilings by some sellers.

Cotton crop news was mainly favorable, though weevil activity was reported to be on the increase. Receipts of live hogs were still considerably larger than a year ago. The weight of the hogs received in Chicago during the week ended June 26 averaged 247 pounds, against 253 in the previous week. The June government pig report pointed to a spring crop of about 62,000,000 head, an increase of 25 percent over the spring of 1941. A 1942 fall pig crop of about 43,500,000 head is indicated, an increase of 22 percent over the fall of 1941.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from June 29 to July 3, inclusive, comprised 27 contracts. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
July	14.30	14.30	14.20@14.30
September	13.92	13.90	14.10@14.25
October	13.85	13.85	13.90@14.05
December	13.98	13.75	13.92@13.96

Crude, Southeast, 12¾c.

Cake and Meal.—An increased inquiry for meal noted in some sections, with tone firmer. Offerings generally light.

Markets at Other Centers

Atlanta—July 2

Cottonseed meal, 8 percent, $37 to $37.50 per ton, Southeastern points. Crude oil quiet at ceiling. Boll weevils becoming serious cotton crop menace.

Memphis—July 2

Crude cottonseed oil quiet. Only few tanks available at 12⅝c., Valley. Meal improving; 41 percent, $35.50 per ton, Memphis. Bulk cake, $31.50, Valley, prompt. Cotton coming along nicely; late in spots. Scattered showers continue; not needed. Closing cottonseed meal quotations on Memphis exchange as follows:—

	June 25	July 2
July	$34.50@34.70	$35.15@35.20
October	35.59@35.65	35.95@36.15
December	35.60@35.75	36.15@36.25

Fatty Acids

No broadening of business was reported in the general market for fatty acids, but a fair demand for moderate quantities of various products was noted. With raw materials in a firm position, quotations on fatty acids were well maintained.

Chicago—July 3

Fatty acids fairly active. Corn oil, double distilled, 14c. to 14½c. per pound, tankcar; 14½c. to 15c., drums, car lots;

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coconut oil, distilled, 17¼c. to 17½c. per pound, tankcar; 17¾c. to 18c., drums, car lots; settled cottonseed soap stock, 60-62 percent basis, 3⅞c. to 4c.

Fish Oils

Cod.—Primary situation unchanged. Local stocks light. Market steady.

Menhaden.—Local refined quotations maintained. Fair small-lot inquiry.

Sardine.—Refined oil apparently in rather light supply. Market quiet.

Markets at Other Centers

Baltimore—July 2

Crude menhaden oil dull, buyers and sellers awaiting developments. Fishing and oil production curtailed by scarcity of fish, war regulations, submarines and mines.

San Francisco—July 1

Upwards of a hundred more tankcars of crude California sardine oil, possibly also some north coast pilchard oil, went into contract last week for delivery out of new season at the ceiling figure of 66½c. per gallon. The sales are continuing. More than 200 tankcars of oil are now estimated to have been sold and the date of the new season opening in California is only a month away. No fish prices have been set with the fishermen yet, although producers don't expect to have the long-drawn-out negotiations which caused so much loss of time in previous seasons. Too, more leniency is expected on the part of the Navy Department in the comings and goings of the purse seiners.

Fats and Greases

Grease.—Fair movement on old and new contracts. Tone firm.

Tallow.—Inquiries received in increased volume. Tone steady.

Chicago, July 3.—Choice white grease, 9.71c. per pound; stearin, prime, 10.61c. per pound; inedible tallow, 9.71c. per pound. Following is a lard price record, per 100 pounds, for the week:—

	High	Low	Closing July 3	Closing June 26
Cash	$12.65	$12.62	$12.67	$12.65
July	12.65	12.60	12.67	12.65
Sept.	12.80	12.80	12.77	12.82

Animal Oils

Degras.—Contract deliveries fair. New business quieter. Market steady.

Neatsfoot.—Trade is fairly active. Some grades in small supply. Tone firm.

Waxes

Waxes lacked new developments last week. Those who have been in a fog concerning what they might and might not do in connection with the import and sale of waxes generally, and of candelilla, carnauba, ouricury, and beeswax particularly, were still without a badly needed directive.

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Beehive Brand BEESWAX
• Finest Quality
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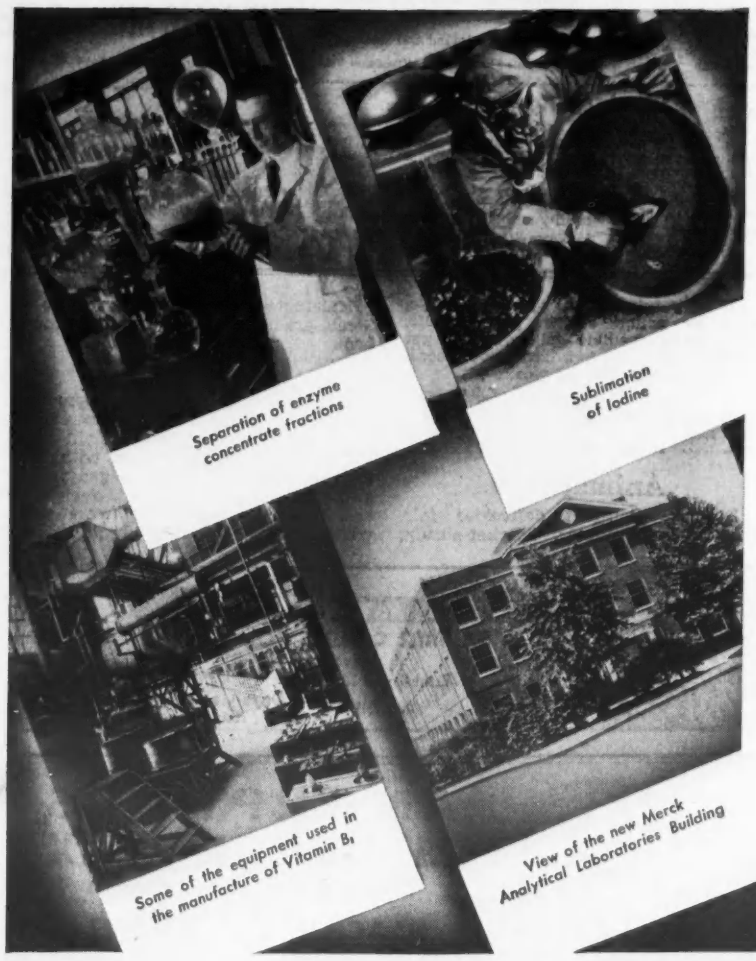
The illustrations below, made at the Merck plant in Rahway, N. J., are representative of the widespread activities of Merck & Co. Inc., in scientific research, modern production, and laboratory control of quality.


Separation of enzyme concentrate fractions
Sublimation of Iodine
Some of the equipment used in the manufacture of Vitamin B1
View of the new Merck Analytical Laboratories Building

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Drugs and Fine Chemicals

Thiamine Down—Spanish Tartaric Acid Goes Begging Because of Price Asked—WPB Import Control M-63 Order Affects Goods in Bond or Afloat

Beyond a reduction in the price of thiamine hydrochloride, the drug and fine chemical market developed little that was noteworthy so far as values to buyers was concerned. The decline in thiamine followed the trend noteable in the market for some time past and hence caused little surprise.

The War Production Board did change its M-63 import control order. The order was extended to include goods in bond and afloat and included all materials appearing on List 1, List 2 and List 3. WPB also removed from import control bromine compounds, caffeine, coca leaves, fish livers, codliver oil, and shark liver oil. These materials had been included in the original three lists. Full details regarding this WPB action appears elsewhere in this issue.

Demand continued lively and was productive of a high volume of sales. The fact was that, with few exceptions, surplus stocks on this market were rare. For the most part, producers' supplies were well engaged in advance of production and by the exercise of extreme care in accepting orders, creation of stock surpluses has been avoided. Strange to relate, however, a surplus of Spanish tartaric acid was noted. The surplus was substantial. Of course, it is a surplus purely because of the high price asked by the holder.

Acid, Acetylsalicylic. — No change in demand, price, or supply. A strong, active material likely to maintain that position indefinitely.

Acid, Citric.—Stocks still remain in resale hands. Disposal more difficult since recent amendment to OPA price control.

Acid, Tartaric. — Large stock of Spanish acid turns up on spot. Priced at 65c. per pound in bond. Duty, 8c. per pound. No rush to buy at that figure. Producers active in supplying home needs.

Alcohol.—Strong from all angles. Consumption running high. Capacity of producers pushed to limit. Whiskey distillers' production to be sopped up promptly. Nothing favorable yet on proposal of Cuba to ship here. South American sources also offering.

Bismuth Metal and Salts. — Undiminished strength dominates market. Activity excellent.

Borax.—Stable under excellent activity. Mine output at high levels. Needs run to large totals.

Bromine and Bromides. — Active. Increasingly so. Output at high levels. Production well engaged. Prices fully stable. Imports removed from restrictions under M-63 order, List 3.

Cadmium Metal and Salts. — War needs huge. Little left for civilian use. Salts available in limited quantities.

Caffeine.—Import restrictions under M-63 order, List 3, removed. Market fully strong, active, without sign of shift in position.

Calcium Gluconate. — Prices fully stabilized. Production well engaged. Inquiries active.

Calcium Glycerophosphate. — Seasonably active. Undertones firm. Supplies fair in size.

Calomel.—Active. Normal requirements generally exceeded. Undertone shows substantial strength.

Castor Oil.—Needs running heavy. Production pushed hard. Transport of bean replacements difficult from Brazil. Prices apparently firm there.

Chicago, July 1.—Castor oil demand high. Market strong and undertone healthy. Prices are: — Cold pressed, U.S.P., returnable drums, car lots, 14½c. per pound; drums, less than car lots, 15½c.; tanks, 13¾c.; No. 3, extracted, returnable drums, car lots, 14¼c. per pound; drums, less than car lots, 15c.; tanks, 13½c.

Chloroform.—Main call for technical goods used industrially. Strong undertone on such business. U.S.P. movement naturally subject to stimulation originating in war program.

Cinchophen. — More inquiry. Call broader. Supply fair. Prices firm.

Cocaine.—Requirements of army and civilians seem covered well to the future.

Codliver Oil. — Imports removed from restrictions of M-63 order, List 1. Strong market. Not over plentiful.

Ephedrine.—Slightly more inquiry from civilian quarters. Generally stable for time being at least. Trend of prices on synthetic had been downward for some time.

Epsom Salt.—Inquiries gain moderately. Undertones fully firm. Supplies seem adequate at moment.

Eserine.—Stocks in strong hands. Most sellers hold little.

Ether. — Purchases of anesthesia item running to excellent totals. Fol-

Price Changes

Advanced

None

Reduced

Thiamine hydrochloride, 7c. per gram.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
236.6	236.6	236.6	211.4

Market news that may have developed after this report was sent to press will be found on page 4.

Glauber, the Modest

Johann Rudolph Glauber, of Carlstadt, Germany, was a chemist of parts—of four parts, at least. He was an alchemist, an iatrochemist, an analytical chemist, and a manufacturing chemist. His years of life were from 1604 to 1668.

And Glauber's modesty is shown clearly in his naming of the products of his chemical genius. For example, one of his greatest discoveries he extracted from Hungarian spring water and named *sal mirabile Glauberi*. Later, it was named soda sulphate.

Again, he made hydrochloric acid from sea salt and sulphuric acid. With over-weening humility he named it *spiritus salis marini Glauberi*, ignoring the Benedictine monk Valentine of Erfut, Germany. The monk had made hydrochloric acid in 1413 and named it *Spirit of Salt*.

Once more, in supreme self-effacement, he made ammonia sulphate, calling it *sal ammoniacum secretum Glauberi* and selling it to makers of other ammonia salts and compounds.

He was first to make ammoniacal liquor from bones, and was also first to make ammonia sulphate and chloride synthetically.

Cromwell, the English "Protector", did not think too well of Herr Glauber. In an old book by Glauber, Cromwell wrote in his own hand: "This Glauber is an errant knave. I doe bethink me he speaketh of wonders that cannot be accomplished."

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 9

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GUAIACOL CARBONATE N. F.
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MURIATE OF POTASH
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lows expanding war program. Industrial ether also active.

Ethyl Acetate.—Broad, generous demand for the N.F., item finds firm, maintained prices.

Fish Liver Oils.—Imports removed from restrictions under M-63 order, List 1. Stocks plentiful on Pacific Coast. Reduction plant acquired in Boston by large Eastern processor of livers.

San Francisco, July 1.—Outside of government purchasing activity, the market in vitamin oils is dormant. Private buying awaits clarification of price ceiling situation. Prices nominal. Trade fairly well stocked.

Formaldehyde.—Consumption reaching levels seldom, if ever, exceeded. Need likely to increase as call for plastics broadens steadily.

Glycerin.—Suggested that soda lactate might substitute for glycerin where humectant property of latter is main interest. Toilet goods makers seek information on corn syrup as glycerin substitute. General market strong, active, expanding, stabilized.

Chicago, July 1.—Glycerin holds steady. Suppliers take firm view of market. Prices for both chemically pure and high gravity are:—Tankcar, 18c. per pound; tankcar, 18¼c.; drums, car lots, 18¾c.

Iodine and Iodides.—Still firm. Active. Fairly well supplied. Section 182,863 of regulations No. 3 on industrial alcohol has been amended to prohibit the sale of tincture of iodine of any strength, made with specially denatured alcohol, in excess of one 50-gallon barrel or the equivalent thereof in containers of more than 1 gallon in one month to any one customer; sales in containers of 1 gallon or less may be made in any quantity.

Iron Acetate.—All sorts and kinds active. Strong. Reserves conservative.

Iron Phosphate.—Broad, active call from wide range of consumers. Prices firm but entirely stabilized.

Isobutyl Alcohol.—Under complete allocation. Wide demand. Not over plentiful supply. Little for use beyond national needs.

Magnesia.—Volume maintained with little difficulty. Call broad. Stocks fairly available but lack surplus status.

Magnesium Trisilicate.—Call excellent. Supplies reveal moderate reserves. Sellers conserve supply.

Mannitol. — Producers report no change in prices. Production well taken up and promptly.

Menthol. — Manufacture of natural item from American peppermint oil awaited. Should get under way not long from now. Japanese item unsold in dealers' hands a small supply. Larger consumers still hold good reserve.

Methanol. — Unchanging demand dominates strong, high consumption position. Every gallon moves promptly into consumption. Values under control either by OPA of voluntary agreement.

Milk Powder.—No real weakness. Stocks slightly improved. Outlook favors ready disposal of production for long time to come.

Phenobarbital. — This hypnotic in fine, broad-gauged demand. National needs taking freely of good production.

Podophyllin.—Raw material cost assured fairly high price for resin. Good business reported in all quarters.

Potash Bicarbonate.—No surplus of stocks but most real needs covered with reasonable promptness. Firm undertones.

Potash Citrate.—Sellers moderately reserved. No genuine need of regular buyers goes unattended to. Undertones indicate stable market.

Quicksilver. — Consumption excellent. Strategic reserves of good size. Production satisfactory on Pacific Coast. Not much local activity.

San Francisco, July 1.—Quicksilver quiet. General position unchanged. Purchasing routine. Price steady. Sale to government continues at $192 per flask, f.o.b. warehouse, New York. Government said to be looking ahead to greatly increased production. More quicksilver will be needed.

Quinine.—Substitutes now official in U.S.P. Conservation of quinine enforced with strong hand. Not an ounce to use except as anti-malarial. Every ounce earmarked first for nation's military forces.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 250 ounces; quantities of 500 ounces at ¼c. less. Comparison of prices of bullion in New York and London also provided:—

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	26⅞	35⅛	23½
Monday	26⅞	35⅛	23½
Tuesday	26⅞	35⅛	23½
Wednesday	26⅞	35⅛	23½
Thursday	26⅞	35⅛	23½
Friday	26⅞	35⅛	23½

Thiamine Hydrochloride.—Prices reduced to 41c. per gram in 100-gram lots. Less than 100 grams, 44c.

- - - —V- - -

'Drug Trust' Petition To Be Argued July 7

—Continued from page 3

The defendants' petition covers more than 200 items in about a dozen general categories, on which they contend that the indictment is not adequately informative. The government filed, some ten days ago, a voluminous brief in reply and opposition on the ground that the numerous items cited are immaterial.

The indictment against the wholesale druggists' association and a number of individuals basically charges violation of the antitrust laws in concerted action directed to the effectuation of the purpose of State fair trade laws.

- - - —V- - -

S.C.I. Medal Awarded to Howe

—Continued from page 5

chemical research to industry," the medal is one of the highest honors of the American chemical industry. Dr. Howe will receive the award and deliver an acceptance address at a joint meeting of the American Section of the Society of Chemical Industry and the New York Section of the American Chemical Society in New York, November 6.

Before becoming editor of *Industrial and Engineering Chemistry* in 1921, Dr. Howe, who is chairman of the advisory committee of the chemical section of the War Production Board, was associated with Arthur D. Little, Ltd., Montreal, Canada, and Arthur D. Little, Inc., Cambridge, Mass. He also had been associated with the Bausch & Lomb Optical Company, Rochester, N. Y., from 1904 to 1916, and was chemist of the Sanilac Sugar Refining Company, from 1902 to 1904.

- - - —V- - -

Mo. Drug, Chemical Group Holds Golf Tournament

At the golf tournament of the Associated Drug and Chemical Industries of Missouri held recently at the Westwood Golf Club, St. Louis, the winners were:—

Ernest Stehlby, of the Monsanto Chemical Company; William Stover, of the St. Louis Post-Dispatch; Paul Horton, of the National Package Drugs; Jim Montgomery, of U. S. Industrial Chemicals; Norman Mendenhall, of Eli Lilly & Co., and C. R. Lindholm.

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Our alkaloidal chemists and botanical staff are cooperating with you to the utmost in coping with the present emergency in regard to our supplying this vital group of drug products. The service that we are rendering is backed by twenty-four years of continuous production of alkaloids, World War I experience, comprehensive research endeavors, and extensive manufacturing facilities.

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Manufacturing Chemists
TIPTON INDIANA U. S. A.

Trigg Dinner Marks His 50th Anniversary

—Continued from page 5

the gathering to the Philadelphia club for its sponsorship of the national celebration of Mr. Trigg's anniversary.

Martin Praises Pioneers

The address of George A. Martin was in effect a brief retracing of the road which, he said, he and Ernest Trigg had travelled together for so many years—a road which at times was dusty and rough. Mr. Martin paid particular tribute to Mr. Trigg's early success as a paint manufacturer which was so great, he said, that he had to buy him out of business as a competitor. He dwelt on the inevitable changes that time has brought to the paint industry and emphasized the importance of the work of the pioneers not only in manufacturing but in trade association work. He singled out the late George B. Heckel, also a Philadelphian and for many years the association secretary, as an example of the type of man responsible for making the industry what it is today. Mr. Martin ended his talk on a note of personal well-wishing to Mr. Trigg and Mrs. Trigg.

Frank Sulzberger climbed aboard the Philadelphia bandwagon in his tribute, because his family originated in the Quaker City. Adapting the old saying that an "institution is the lengthened shadow of a man," Mr. Sulzberger summarized Mr. Trigg's long and valuable work for the association, even in the days when he was engaged in manufacturing, declaring that he "fought vigorously and persuasively and intelligently for a higher degree of cooperation between the units of the industry in all its various phases." Mr. Trigg was responsible, almost single-handed, for the Save the Surface campaign, said the speaker.

The association's slogan, "in the public service" has now taken on a new connotation in these war times, Mr. Sulzberger said, and under Ernest Trigg's leadership. Mr. Sulzberger continued:—

"There seems to be no point in the war effort where the paint, varnish and lacquer industry isn't intertwined and affected by what is going on, and where it isn't rendering important service. Day in and day out from offices all over Washington come calls to Ernest Trigg for advice and counsel, and all these calls are promptly answered either by Ernest personally or by Dr. Gardner... This association, through Mr. Trigg and the service he is rendering, is making an effective contribution to winning the war."

Mr. Sulzberger analyzed Mr. Trigg's outstanding qualities as integrity, selflessness, rare good judgment, remarkable memory, tireless energy, capacity work and a warm personality which makes and keeps friendships.

Trigg Reviews Progress

Mr. Trigg was deeply touched by the demonstration of such friendships, evidenced by the attendance of so many men from distant cities, and while expressing deepest gratitude for the personal tributes and the gifts he said he looked upon the testimonial dinner as outward recognition of the great value of the industry's collective effort. It was this cooperative progress in the last fifty years that formed the basis of his response.

In conclusion Mr. Trigg renewed his pledge to serve the industry faithfully and fairly as long as he is privileged to do so.

Another speaker was Dr. Allen A. Stockdale, of the National Association of Manufacturers, who talked on "Morale for Victory," outlining the gigantic war production and potential strength of this country.

The invocation was given by J. Sibley Felton, a revered member of the Philadelphia club. During the dinner, Frances Greer, soprano of the Metropolitan Opera Company, and Edward Roecker, baritone, sang.

Mr. Trigg's speech will be published in full in the July 13th issue of the REPORTER.

GMPR Modified For U.S. Territories

—Continued from page 3

ceiling prices ready has been extended to August 1, 1942.

Sellers in these islands must show in these statements their maximum prices, both for the month of March, 1942, and for the period from April 10 to May 10. It is the April 10-May 10 period, however, that establishes their ceilings.

The date by which sellers in these islands must post conspicuously in their stores their maximum prices for the list of nearly 200 cost-of-living commodities is extended to August 1.

Power to adjust cases in which sellers claim the Regulation causes them substantial hardship has been delegated to the Administrator of the Ninth Region, subject to review by the Price Administrator on appeal. Applications for adjustment are to be filed with the Territorial Directors of Puerto Rico and the Virgin Islands in accordance with procedural regulation No. 7.

Chrome Chemicals Further Restricted

—Continued from page 3

inal order, 50 percent of the base period use may be consumed. For leather tanning the restriction is upped from 90 to 100 percent.

M-53 permits the use of chrome pigments in printing inks of 100 percent of the amount used in 1941, instead of 70 percent, and makes other technical changes in the order.

Bids Wanted

Brushes, Sanitary:—74,000; Commanding Officer, Jersey City Quartermaster Depot, 26 Exchange Place, Jersey City; invitation 1913-42-Neg-250, opening July 10.

Carbon Tetrachloride:—2,000 quarts; General Purchasing Officer, The Panama Canal, Washington; schedule 6407, opening July 20.

Sage:—72 pounds; Procurement Division, Treasury Department, Washington; invitation 22-4-S1, opening July 7.

Soap:—1,500 pounds; General Purchasing Officer, The Panama Canal, Washington; schedule 6405, opening July 17.

Soda Phosphate:—20,000 pounds; General Purchasing Officer, The Panama Canal, Washington; schedule 6405, opening July 17.

Wax:—Quantities of; Procurement Division, Veterans Administration, Washington; inviation 175-S, opening July 10.

See Page 38

Byrnes 50 Years In Shellac Industry

—Continued from page 7

for his faithfullness and loyalty to a host of real friends.

Since the days when young Jimmie went to work as an office boy for Andrew Rogers in the original firm of Rogers & Pyatt, through the days during which he was secretary and a director of Rogers-Pyatt Shellac Company, in the period from July, 1928, to February, 1935, when he was in business for himself as the James W. Byrnes Shellac Company, and finally, since he became vice-president of the Mac Lac Company in 1935, Mr. Byrnes held his friends through good fortune and vicissitude.

No special ceremonies are being held today on his fiftieth anniversary as a business man. To be sure, the offices are decorated in gala fashion, and cocktails, with other refreshments, are being served between twelve and one o'clock. Old friends in the trade are dropping in informally. But the heart of the affair is the sentiment of friendship, good wishes and respect for one who has well served the shellac business and his friends for fifty years.

Little that the trade could do would add to the honors it has already given him. He has for years been a constructive leader, and at times the executive officer, in the United States Shellac Importers' Association and the American Bleached Shellac Manufacturers' Association. And in whatever capacity these bodies have asked him to serve, Mr. Byrnes earned the commendation and thanks of his associates.

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•NIKETHAMIDE

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Will manufacture to your specifications:

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CALCIUM MONOMETHYLARSONATE
CHOLESTEROL C. P.
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FERRIC AMMONIUM CITRATE
FERRIC MONOMETHYLARSONATE
HEXYL RESORCINOL
PARA-AMINO-BENZOIC ACID
SODIUM AUROTHIOSULFATE
STOVARSOL
ATOXYL (Sodium salt of p-aminophenylarsenic acid)

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SODIUM METHYLARSONATE
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Guaranteed to meet every test of the
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100, 250, 500 and 1000 gram bottles. 10, 25 and 50 kilo drums
CALCIUM — FERRIC — MERCURIC
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RESORCINOL MONOACETATE
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Honored by DCAT

The Drug, Chemical and Allied Trades Section of the New York Board of Trade paid special honor to John J. Toohy, manager of distribution for E. R. Squibb & Sons, pharmaceutical manufacturer, Brooklyn, at a recent executive committee meeting. In awarding an engraved gavel, S. B. Penick, jr., president of S. B. Penick & Co., and chairman of the section, expressed the sincere appreciation of the entire membership of the section for the conscientious and successful work accomplished by Mr. Toohy in 1941 when he was the section's chairman.

WPB Names Four To Clear Problems

—*Continued from page 7*

since June 16, 1941, when he was appointed Regional Coordinator, under the Assistant Deputy Director of the Division of Priorities. On April 16, 1942, Mr. McGregor was appointed chief of the Field Management Section of the Bureau of Field Operations.

Mr. Straus, also of New York, has been serving with Federal war agencies since April, 1941. He is a graduate of Harvard College, and of the Harvard Graduate School of Business Administration. Prior to his appointment to Federal service, he was secretary of the corporation, R. H. Macy Co., New York. He will act as representative for regions 3 (Philadelphia), 5 (Cleveland), and 12 (Minneapolis).

Prior to his appointment to Mr. Scriven's staff, Mr. Hubbell was with the Furniture Branch of the War Production Board as a conversion expert. A resident of Rye, N. Y., he has been an executive of the Simmons Company, New York, since 1929. Previous to that he was with the Butterick Publishing Company, and the Colgate Soap Company. He acts as the representative for the regional directors in regions 1 (Boston), 4 (Atlanta), and 6 (Chicago).

Mr. Kolseth, of Plainfield, N. J., represents regions 8 (Dallas), 9 (Denver), 10 (San Francisco), and 11 (Detroit). He is a graduate of Union College, and of the Harvard Graduate School of Business Administration. He taught European history at Union College, and since 1931 has held executive positions with the Atlas Supply Company of Newark, N. J.

- - - —V- - -

Latin American Oils Resources Are Studied

—*Continued from page 5*

take this assignment. His attention, it is understood, will be focused primarily on the availability of babassu nuts, which in recent years have come into prime importance as a source for oils to replace palm and coconut oils.

BEW is reluctant to make public any further details on Mr. Davis's assignment or the general work of the board in seeking to clear up the fats and oils problem, but there are indications that some important developments are in the making which may be available for announcement at an early date.

Ludlow Joins Air Corps

A. R. Ludlow, Jr., formerly assistant to vice president and general sales manager L. A. Keane of U. S. Industrial Alcohol Company, this city, has resigned his position to accept a commission as second lieutenant in the Army Air Corps.

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Benzene Sulphonylchloride

Chemical

Sulphonating agent in—
Organic syntheses

Betanaphthalene Sulphonylchloride

Chemical

Sulphonating agent in—
Organic syntheses

Bis-2:4-dimethoxy-5-chloroanilide of Terephthaloyldiacetic Acid

Dye

Intermediate in making—
Synthetic dyestuffs

Iron and Steel

Miscellaneous

(Continued from June 29 issue)

Metal for constructing—
Packing twine holders; pail clasps; pails; paint spray outfits; paper rollers; pans and pots; park and recreation benches; parking meters; pencils, automatic; penholders; permanent wave machines; pet cages, dishes and other equipment; phonograph motors; phonograph needles; phonograph record blanks; photographic accessories; physical reducing machines; picture and mirror hardware; pieplates; pipe cases; pipecleaner knives; plant and flower supports; pneumatic tube delivery systems; polishing wax applicators; polishing wax sprayers; portable bathtubs; posts for fencing; poultry incubator cabinets; pushcarts; pushplates and kickplates, doors
Racquets; radiator enclosures; radio antennae poles; razor blades; refrigerator containers and trays; rotary doorbells
Salesmen's display cases and sales kits; salt and pepper holders; sample boxes; scaffolding screen frames; scrubbing boards; service food trays; sewer pipe; shirt and stocking dryers; shoe cleaning kits; shower receptors and frames; shower stalls; show window lighting and display equipment; sign hanger frames; sign posts; signets; silos; strapping and reinforcing; sink apron and legs; sink metal drainboards; sitz baths; skates; ski racks; slide fasteners; snow shovels and pushes, hand and power propelled; spittoons; sporting and athletic goods; spray containers, household; stadiums; spouts; stamped bakery equipment; stamps and tablets; staples; starter shingle strips; statues; teel wool for household use; store display equipment and showcases; subway turnstiles; sugar cube dryer trays; sugar holders; swivel chairs
Table name card holders; table tops; tags; tanks; telephone bell boxes; telescopes; terrazzo spacers and decorative strips; thermos jugs and bottles; thermometer bases and cases; tiles, steelback; tongs, food handling and household use; toolboxes; tool cases; tools and tool handles; trays; urinals
Wagon bodies, frames and wheels; waste baskets; water color paint boxes; weather stripping; wheelbarrows; whiskey service sets; window display advertising; window stools; window ventilators; wine coolers; wine service sets; wire parcel handles and holders; wire racks and baskets; wire animal cages; work benches

Naval

Metal for constructing—
Ships, guns, range finders, equipment, and the like

Public Works

Metal for constructing—
Bridges
Dam parts, such as concrete reinforcing, pipes, and the like
Dock gates and equipment
Lock gates and equipment
Piping
Strappings for piles, bulkheads, weirs, foundations, and the like

Railroad

Metal for constructing—
Bridges, turntables, and the like
Locomotives, cars, rails, and the like
Roundhouse supplies
Signalling systems
Spikes, bolts, and other construction and roadbed gang equipment
Strapping

Isobutane

(2-Methylpropane, Trimethylmethane)

Chemical

Reactant in—
Organic syntheses

Refrigeration

Refrigerant offering following characteristics—
Colorless gas
Does not react with water
Has no corrosive action on metals
Natural gas odor
Stable

Isobutyl Alcohol

(Isobutanol, Isopropylcarbinol, 2-Methylpropanol-1)

Adhesives

Ingredient of—
Solvents used in making cements

Analysis

Extractant in—
Analytical processes involving control and research in science and industry
Solvent in—
Analytical processes involving control and research in science and industry

Cellulose Products

Ingredient of—
Solvent mixtures for cellulose esters and ethers
Water remover for treating—
Nitrocellulose solutions

Chemical

Extractant for—
Alkaloids Drugs
Starting point in making—
Esters Ketones
Ethers Organic solvents
Intermediates

Dairying

Extractant in determining—
Fat in cream and milk products

Disinfectant

Solvent in making—
Germicidal preparations

Dye

Reactant in making—
Synthetic dyes

Fats, Oils, and Waxes

Extractant for—
Animal oils Vegetable oils
Essential oils Waxes
Fats
Ingredient of—
Extractant compositions

Food

Extractant in making—
Fruit essences
Starting point in making—
Fruit flavors

Meat-Packing

Extractant for—
Animal oils

Paint, Varnish, and Lacquer

Solvent in—
Paint and varnish removers
Paints, varnishes, enamels, lacquers, dopes, wood stains, and the like

Perfume

Extractant in—
Perfumery processes
Starting point in making—
Synthetic aromatics

Pharmaceutical

Extractant for—
Alkaloids Drugs
In compounding and dispensing practice
Solvent in—
Pharmaceutical manufacturing

Photographic

Solvent for—
Cellulose esters and ethers
Solvent in making—
Film

Isobutylamine

Chemical

Intermediate in—
Organic syntheses

Insecticide

Insecticidal agent offering following characteristics—
Ammoniacal odor
Colorless liquid
Strongly caustic

Isobutyl Propionate

Paint, Varnish, and Lacquer

Retarder in—
Lacquers
Solvent in—
Dopes Paints
Enamels Stains
Lacquers Varnishes

Isobutyraldehyde

(Isobutyl Aldehyde, Isobutyryl Aldehyde)

Chemical

Intermediate in—
Organic syntheses
Intermediate in making—
Acetals
Isobutyric acid
Starting point in making—
Accelerators of vulcanizing processes

Resins

Reactant in making—
Synthetic resins

Paratoluene Sulphonylchloride

Chemical

Sulphonating agent in—
Organic syntheses

Soap

(Continued from June 29 issue)

Disinfectant

Emulsifying agent in—
Bactericidal preparations
Deodorizing preparations
Disinfecting preparations
Germicidal preparations

Dry Cleaning

Base, emulsifying, penetrating, and wetting agent in—
Dry-cleaning soaps and emulsions
Detergent
Stain-remover

Electrical

Incrustation retarder for—
Electrical precipitation unit wires

Explosives

Absorbent for—
Explosive agents
Filler in—
Breechblock gas check pads
Gun wads
Stabilizer for—
Nitrostarch

Fats, Oils, and Waxes

Emulsifying agent for—
Fats Oils
Greases Waxes

Firefighting

Emulsifying and wetting agent in—
Fire-extinguishing preparations

Fuel

Absorbent and emulsifying agent in—
Solidified fuels made from such products as alcohol, gas oil, gasolene, kerosene, petroleum
Binder and filler for—
Briqueted fuels
Stabilizing agent for—
Colloidal fuels

Glue and Gelatin

Stabilizer for—
Colloidal glue

Gum

Stabilizer for—
Colloidal gums

Highway Construction

Emulsifying agent in—
Bituminous emulsions for highways
Waterproofings for cement and concrete

Ink

Emulsifying agent in making—
Ink eradicators
Printing inks
Writing inks

Insecticide

Emulsifying agent in—
Animal washes and dips
Fungicidal preparations
Insecticidal preparations
Vermin-exterminating preparations

Laundering

Detergent in—
Washing processes

Leather

Emulsifying agent in making—
Adhesives for shoe insoles
Dressing compositions containing shellac, gums, resins, fats, oils
Fat-liquoring baths
Finishing compositions
Shoe-filling compositions
Soaking compositions containing neatsfoot oil or other oils
Waterproofing compositions

Lubricant

Base and emulsifying agent in—
Antisqueak compounds
Boring oils
Cutting oils
Drawing compounds
Drilling oils
Lubricating greases
Other lubricants
Penetrating oils
Dispersing agent for—
Graphite

Metallurgical

Ingredient of—
Case-hardening compositions

(To be continued)

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The Synthesis of

ARECOLINE HYDROBROMIDE
PENICK

Production from synthetic sources has now been successfully established in the laboratories of S. B. PENICK & COMPANY, chemically equivalent to the natural alkaloid.

This new source of supply should relieve effectively the shortage evident for sometime past, and due, in part, to the cutting off of the source for the natural raw material. A contribution of the PENICK Research Laboratory in furthering American Alkaloidal manufacture.

HOMATROPINE HYDROBROMIDE U.S.P.
PENICK

The serious shortage of this important Alkaloidal salt has now been adequately overcome in the PENICK laboratories by partial synthesis from natural material.

HYOSCINE HYDROBROMIDE U.S.P.
PENICK

Early in June, the announcement was made that stocks of this salt were again in hand. Pharmaceutical manufacturers had previously expressed their concern as to future supplies, but our new production appears to be sufficient for present needs.

The manufacture of these three Alkaloids results from long investigational work in the PENICK Research Laboratory —further syntheses, both partial and complete, of similar therapeutic agents are progressing.

S. B. PENICK & COMPANY

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ALKALOID EXTRACTING MANUFACTURERS

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Botanical Drugs, Spices, and Gums

Botanical Price Changes Fewer — Medicinal Items Unaffected
New Crop Movement From Argentina Crippled By Transport Scarcity and Uncertainty

Trade in botanical drug merchandise remained on the quiet side throughout the past week. Orders built not more than a conservative volume of business and were, for the most part, of jobbing size and importance.

Prices in general retained the stable position held by medicinal crude drugs during the past several weeks. Since it was too early accurately to determine the average cost at which new crop domestic merchandise shall be obtained, sellers displayed reserve in offerings and firmness in maintenance of prices.

South of the equator from the countries shipping botanicals ordinarily brought in from Europe it is now winter—mid-winter. Hence, stocks are now at their largest and best. Into this pleasant picture, however, creeps the fact that shipping space has been never harder to get from Argentina and nearby countries. There is also the very excellent chance that botanicals that may be exported will be laid ashore at United States southern ports, thus incurring added import cost in the form of rail freights to destination. That shipping routes are awry as shown by the fact that some exports from the West Indies recently reached the United States via Nova Scotian ports. Import control order M-63 is extended to include goods in bond or afloat. Details elsewhere, this issue.

Balsams

Copaiba.—Reported firmer in all markets. Price tendency upward.

Peru.—Down to $1.25 to $1.30 per pound under competition. Not very active.

Barks

Cascara.—Lower at 26c. to 27c. per pound but not conspicuously trending in favor of buyers so far as primary market sellers go. Merely the subject to slightly more local competition.

Cinchona.—Strong, tight, irremovable controls spread over all aspects of commerce in this item. In effect, worth its weight in gold now that replenishment of stocks in major quantities is impossible.

Elm.—Quiet at the moment. Firm in all markets. Reserves increase.

Simarubra.—Rarely called for in recent weeks. Apparently well stabilized.

Soap.—Quiet and reasonably easy. Plenty available now. Steamer transport of replacements increasing problem.

Wahoo.—Little easing as result of new collections. Values apparently hold firm.

Beans

Calabar.—Firm but inactive in open market.

Vanilla.—Cloud over Madagascar lifted but little. Future export of vanilla in doubt. British still to get control of whole island. Vichy French still battle invasion force. Cost to get Mexican beans to spot very high. Water route closed. All rail movement costly.

Berries

Saw Palmetto.—Not mentioned much of late. Apparently steady. No talk of shortage, actual or pending, heard.

Sumac.—Enough available to cover needs until another crop is gathered. Very steady.

Flowers

Arnica.—Market about stripped of more than token stocks. Strong, high prices.

Chamomile.—Reserves ample and more Hungarian style may be had from Argentina. Quiet trading now.

Lavender.—Those accustomed to splendid French flowers wail over in-

Price Changes

Advanced

Cassia, Batavia, No. 1 regular, 3c. per lb.
shortstick, 4c. per lb.
Clove, Zanzibar, ½c. per lb.
Ginger, Cochin, unbleached, ½c. per lb.
Nutmegs, West Indian, ½c. per lb.
Pepper, red, Japanese chillies, 1c. per lb.

Reduced

Cassia, Batavia, No. 1, 1c. per lb.
broken, 7c. per lb.
China, select rolls, 3c. per lb.
broken, 2c. per lb.
Marjoram, Chilean, 2c. per lb.
Pepper, red, Mombassa chillies, 2c. per lb.
Pimento, ½c. per lb.
Sage, California, whole, 2c. per lb.
powdered, 5c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
314.2	314.2	315.0	273.8

Market news that may have developed after this report was sent to press will be found on page 4.

Annatto

It's all very confusing, this matter of annatto.

The coloring substance is the fruit of the *arnotta* tree, which tree is also named *annota* and *annotto*. The German complicates matters by calling it *Orlean*, while the French seem crazy in dubbing it *Rocou*.

In the more rarified sphere of scientific botanical nomenclature, it bears up with dignity under the name of *Bixa Orellana*.

History says there were two kinds, Spanish and French—which does not mean that annatto came from Spain and France. It came from neither; and Ecuador, Jamaica, British India and Dominica supply the United States today.

Originally — and right here does confusion itself become confused—Spanish annatto came from *Brazil*, where Portuguese was the language. And French annatto came from the Isle of Cayenne, off French Guiana, where it was called *Terra de la Nouvelle Orleans*—or, Land of New Orleans. Being another slight confusion in names.

Confusion is partially dispelled when all agree that it is a natural dyestuff used, in part, to give psychological palatability to dead-white margarin, the butter substitute.

Confusion returns, however, when it is learned that French annatto was made by a ferment process in which urine was used.

As a yellow dye for silk and cotton—very good, although its color was somewhat fugitive and fleeting.

But as a yellow dye for butter substitutes and cheese — well, perhaps there is no accounting for the taste of man!

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 9

CHECK THIS LIST
OF HOPKINS' ANALYZED, HIGH STANDARD
CRUDE DRUGS

The earth contributes and J. L. Hopkins & Company distributes every foreign and domestic botanical drug for which there is any commercial demand. A few of the many botanical drugs, ready for prompt or contract shipment from our New York City warehouses and mills, follow

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✓ ALTHEA
✓ ANISEED
✓ BALDO LEAVES
✓ BENZOIN GUM
✓ BUCHU
✓ CALAMUS
✓ CELERY SEED
✓ CHAMOMILES
✓ CINCHONA BARK
✓ COCILLANA
✓ CORIANDER
✓ CORN SILK
✓ DANDELION
✓ ERGOT
✓ FENNEL SEED
✓ FOENUGREEK
✓ GENTIAN ROOT
✓ GINGER
✓ GUM ARABIC (all kinds)
✓ HOREHOUND
✓ IPECAC
✓ JUNIPER BERRIES
✓ KOLA NUTS
✓ LAUREL LEAVES
✓ LAVENDER FLOWERS
✓ LEMON PEEL
✓ OLIBANUM GUM
✓ ORANGE PEEL
✓ PAPAIN
✓ PEPPERMINT
✓ PSYLLIUM SEED
✓ QUINCE SEED
✓ RHUBARB ROOT
✓ ROSEMARY
✓ SAGE
✓ SARSAPARILLA
✓ SENNA LEAVES & PODS
✓ STROPHANTHUS KOMBE
✓ STROPHANTHUS SEED
✓ THYME
✓ UVA URSI
✓ VALERIAN
✓ WHITE SQUILLS

◆◆◆◆ QUOTATIONS AND SAMPLES ON REQUEST ◆◆◆◆

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With most modern and advanced equipment, the Prentiss Mills and Warehouses are geared to supply you with freshly milled or whole goods on a long list of Botanicals. Prentiss service offers more than the prompt filling of orders; it means careful handling in special mills to avoid injury to the medicinal properties of drugs. This manufacturing responsibility plus speed of production and delivery means a type of service that has won the complete confidence of our ever-growing list of customers. Call WHitehall 3-8281.

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80 JOHN STREET, NEW YORK CITY

ability to get fresh stocks of top qualities earlier than end of the year.

Pyrethrum.—Demand would be far larger than that current were sale free from all governmental restrictions. Reasonably certain that Kenya flowers will continue to get here. However, domestic cultivated goods got the "once over" from wise buyers. Understood that practically all produced now owned by single consumer.

Saffron.—Spanish flowers yield nothing more in price structure. Cost to import runs high. Shipment uncertain and slow. Stocks in hand conserved.

Gums

Arabic. — Stiffening. German successes in Egypt definite threat to continued availability of goods for export from Port Sudan. Very good stocks here now. Holders looking forward to possible drought in future.

Karaya.—Recent arrivals constitute reserve of good proportions. However, fairly substantial quantities delivered after arrival. Entire trend of war at present a threat to continued movement from source.

Guaiac.—Apparently all needs being filled with reasonable prompitude at steady prices.

Mastic.—Next to nothing available in any quarter. German control of source absolute so far as further exports go.

Tragacanth.—War trend opposed to continued export from sources. Situation in primary markets getting more acute daily. General tendency to tighten hold on stocks noted.

Herbs and Leaves

Belladonna.—Leading backers of domestic cultivations still smile when talking crop prospects. Chances for good test material being obtained considered better than a mere hope.

Buchu.—Route from source to spot long and dangerous. Believed governments in all countries will cooperate in interest of getting fair supplies to all users.

Henna.—Good stocks here. That fact tends to soften impact of adverse war news from primary markets. Continued German success could stop all further shipments in a twinkling.

Marjoram.—Chilean continues to decline. Down to 48c. to 50c. per pound now. Tunisan unchanged.

Sage.—California whole item lowered to 50c. to 52c. per pound. Powdered, 60c. to 62c. No other price development in entire group.

Stramonium. — Believed that no needy consumer will be forced to go without. Apparently in very good reserve.

Miscellaneous

Arrow.—Replenishments can arrive still from West Indies. But German tin fish on the prowl make for some uncertainty and high cost.

Calamus.—Domestic item being laid up in fair sized stocks. Prices equitable and very steady.

Cube.—Large need uninterrupted. Government requirements supreme.

Gentian. — Reasonable quiet. Demand limited to jobbing lots. Prices steady.

Golden Seal. — No apparent price unsettlement. No special consumer interest at moment.

Rhubarb.—Sellers show some increasing reserve. Quality goods not being replaced. Demand routine.

Valerian.—Indian root supplying the need. Dealers concerned over possible stoppage of all exports. War trend and conditions in India not favorable.

Seeds

Anise.—Apparently steady at recent price reductions.

Canary.—Argentine seed a fraction higher at 9¼c. to 9¾c. per pound.

Caraway.—Some Morocco seed offered at 78c. to 80c. per pound. A newcomer, locally.

Celery.—Indian seed turns steadier. But not more active.

Cumin.—More inquiry. Sales upped moderately.

—*Continued on page 72*

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 9

CRUDE DRUGS

PEEK AND VELSOR INCORPORATED
100 GOLD ST.
NEW YORK

ESTABLISHED 1840
WAREHOUSE AND MILLS, JERSEY CITY, N.J.

TRADE MARK

Pennyroyal—When Teeth Fall Out

"Dried and Burnt, It Tightens and Strengthens the Teeth."
—*Culpeper*

THE ASTROLOGER-PHYSICIAN In 1656 Gave

PENNYROYAL
For Stiff Joints
For the Itch
For Cold-Sores

Is a Diaphoretic and Emmenagogue Used In American Medicine Today

Essential Oils, Aromatic Chemicals

Lack of Export Permits Kills Good Potential Trade in Essential Oils And Compounds—Business Quiet—Compound Substitutes Gain Importance—Anise Shaded

Demand for essential oils still languished to some extent last week. Although the market continued its recently strong position, in terms of sales, things could have been substantially more active without volume being actually large. In fact, most quarters reported the market as being quiet. Inability to obtain export permits is killing off a sales field that could well reach proportions that would bring relief to a harassed industry.

The strength of the current market rests on the fact that stocks have been rarely so small as at present. Furthermore, the case of most materials, it will be impossible materially to increase the local reserves, since normal primary markets are shut off and new sources of supply have been either not discovered or have goods not entirely suitable for consumption here.

This situation in natural products forces increasing consideration of substitutes developed by individual dealers as their answer to shortages that cannot be overcome. This business in substitute materials constitutes one of the most important factors in current trade. Laboratories have done wonders in filling the spaces left vacant when normal raw materials became no longer available. It is the intention of some producers of such merchandise to so entrench their present products as to retain a market for them after the war. WPB import order M-63 extended to include goods in bond and afloat. Details elsewhere, this issue.

Price Changes

Advanced

None

Reduced

Anise, 15c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
298.1	299.4	299.4	204.5

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Still strong. Artificial item unavailable on new orders from new buyers. Stocks low.

Amber.—Normal sources still lack supplies.

Angelica.—Odd lots command high prices. Consumer interest low.

Anise.—Lower at $3.25 per pound. Believed that higher prices are certain in quarters recently selling beneath their ceilings.

Avocado.—In firm hands. In moderate spot supply. Moderate demand, too.

Bergamot.—Some dealers report Brazilian not very satisfactory. Artificial oil very hard to obtain, most quarters.

Bois de Rose.—Strong, stable undertones. Moderate stocks. Conservative spot demand.

Cajeput.—More inquiry finds stocks on the low side. Very firm.

Cananga.—Limited stocks prevail at stabilized prices. Demand curtailed by prevailing values. Replacement unlikely.

Caraway.—Odd lots were noted in confirmation of quoted prices.

Cassia.—Holding firm to strong on the basis of low stocks. Few dealers still have a supply. Consumers hold fair reserves.

Cedarleaf.—Sustained interest limited to jobbing orders. Prices well stabilized. No surplus stock.

Cedarwood.—Strong market. Consumption reached high levels. Pressure of needs still substantial.

Cinnamon.—One prominent agent reports ability to assure export of oil from Ceylon.

Citronella.—Some holders, Ceylon oil, gradually approach minimum of individual March highs. Situation strong in all respects. Rather more competition.

Clove.—No release from the strong, undersupplied market. Future output well engaged. Strong, stabilized prices.

Dill.—Outlook for good Far Western crop reported satisfactory. No price weakness among the producers. Demand should gain.

Eucalyptus.—No change from recently strong market. Demand along seasonal lines. Shipments from source controlled by need for space to bring strategic materials from Australia.

Ginger.—Rarely so strong a market on raw material. Oil in low supply. Cannot be increased much or soon.

Hemlock.—Selling well. Strong prices. Firm undertones.

Lemon.—Very good interest shown. Very firm prices in leading quarters. Smaller producers shade market at $3.25 per pound occasionally.

Lime.—Reported slow, spot and import. Prices still firm. Some Mexican shippers seeking new outlets.

Orange.—Substantial quantities reach here from Brazil. Fairish prices prevail. Demand along seasonal lines. Restrictions on production, some articles, tempers consumption.

Palmarosa.—Firm and not well stocked, any quarter.

Peppermint.—Distillation soon underway. Market quiet pending future developments. Price control situation in statu quo. That means no one now knows just who in government holds said control.

Petitgrain.—Firm. Steamer space scarce from source. Replacement, current stock, difficult. Makes for firm price position.

Rosemary.—Firm. Stable. In fair supply. Goods available in London for replacement.

Sandalwood.—Movement of sandalwood billets difficult problem. Nor-

Bergamot Oil

It seems passing strange that those lusty Americans, the Californians, have not by this time produced bergamot fruit far superior to that of Reggio, Italy, or even its equal.

Possibly they have not tried seriously to graft a lemon tree on the stem of a bergamot pear—which is the origin of bergamot fruit, according to *Le Sieur Barbe*, perfumeur, as recorded in a little book called *Le Perfumeur Francois*, printed in Lyons, France, in 1693.

Also, perhaps their experiments did not include cultivation on low ground amid lemon and orange trees, well irrigated and cropped with vegetables—which is the way they grow bergamot trees now in Reggio.

The good Sieur Barbe, perfumeur, also recorded that the oil was obtained by "squeezing small bits of peel with the fingers in a bottle or globe large enough to allow the hand to enter."

Mayhap it will be left for the Floridians to solve the problem of growing bergamot fruit which will yield an oil up to the par of Reggio, Italy. Meanwhile, the American perfumer either goes without, or takes an oil which Brazil calls "bergamot" but with which no Reggio oil would associate.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 9

As a REPLACEMENT for Hard-To-Get Camphoraceous Oils

CAM-O-SASS MM&R

This 100% U. S. A. product of the M M & R laboratories has been proved a highly satisfactory, low cost replacement for high priced, hard-to-get camphoraceous oils such as Oil Sassafras Artificial, etc.

It has a decided camphoraceous odor leaning toward the Sassafrassy type and provides lasting coverage. Works satisfactorily as a perfume or deodorant for all technical products.

Let us send you a testing sample and suggestions for using CAM-O-SASS effectively.

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OIL OF SANDALWOOD EAST INDIA

We are pioneers in the distillation of this Oil in U.S.A. Looking back over our fifty-five years business experience, we can say that during half that time we have been manufacturers of Sandal Oil, and we unhesitatingly and without reserve offer our product as

THE FINEST OBTAINABLE

With our knowledge of Sandal, we believe you will admit we know whereof we speak when we make this claim.

High in Santalol Content **Exquisite in Aroma**

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AROMATIC CHEMICALS
ESSENTIAL OILS
BASIC PERFUME MATERIALS

SORRY, BUT IT'S WAR . . . !

THE W.P.B.'s Conservation Order No. M-81 requires drastic curtailment of all containers made from tin plate. We are permitted, however, to employ what containers we have in stock as equipment for re-use—that is, we may ship in them if we retain title and require their return as a consideration of sale. Other bulk containers are subject to similar restrictions due to the limitations on raw materials used in their manufacture. In consequence of this, we are forced to charge a deposit on certain containers which will be credited to the customer following safe return to us at New York within 60 days and in fit condition for re-use. Return transportation charges will be paid by us. This is our war; help us to CONSERVE!

HAVE YOU an accumulation of our bulk containers? Please communicate details to us; we may be able to make you an attractive offer.

FRITZSCHE BROTHERS, Inc.

PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.

BRANCH STOCKS

BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.

FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR), FRANCE

Essential Oils
Aromatic Chemicals
Basic Perfume and Flavor Raw Materials

mal channel of movement upset by war. Spot stocks of good quality oil fair. Firm undertones.

Spearmint.—Holding steady pending development of new offerings from distillers.

Wormseed.—Showing no current weakness. No superior increase in production likely.

Aromatic Chemicals

Acetophenone.—Dealers' stocks limited. Firm.

Amyl Acetate.—Perfumers' grade not plentiful. Firm to strong.

Anethol.—Undertones firm. Demand ahead of supply.

Benzaldehyde. — Scarce. Dealers' supplies at low ebb. May have none.

Benzyl Compounds.—Most of production capacity owned by consumers before available for distribution. Output restricted by raw material situation.

Cinnamic Alcohol.—Virtually unobtainable among resale dealers.

Cinnamic Aldehyde.—None on open market. Firsthands have buyer for everything available.

Citral.—Output controlled adversely by insufficient raw material.

Citronellol.—Lack of sufficient raw material keeps output of makers low. Strong. Scarce.

Coumarin.—Leading producer does everything possible to provide something for all regular customers.

Ethyl Cinnamate.—Buyers for everything offered. Offerings small.

Ethyl Vanillin.—Strong and active. Stocks conservative.

Ethylphenyl Acetate.—Dealers' stocks exhausted, most quarters. Hard to get any replacement.

Heliotropine. — No surplus stock. Needs met fairly well on proportionate basis.

Methyl Anthranilate.—Producers strive to keep all regular consumers supplied with at least part of requirements. Firm.

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Evans Chemetics Adds To Laboratory Staff

Ralph L. Evans Associates, research division of Evans Chemetics, Inc., recently added six chemists to its staff. They are:—Dr. S. A. Bell, formerly an instructor at Columbia University; Clifford H. Bundy, M.S., Princeton University; Philip Heiberger, M.A., Cornell University, formerly with Colgate-Palmolive-Peet Company; Dr. John S. McCoy, New York University; Dr. John F. Mulvaney, formerly an instructor at New York University; Miss Florence M. Thein, B.S., Mt. St. Vincent College. Evans Chemetics, Inc., is manufacturer of chemical specialties and private-label proprietary preparations.

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Monsanto Chemical Transfers Eckert and Comstock

Shifting of several key men in the research and operating departments of Monsanto Chemical Company preparatory to the beginning of operations at the synthetic rubber raw material plant being constructed by the company for the Rubber Reserve Company at Texas city, Tex., has been announced by Osborne Bezanson, vice-president and general manager of the Texas division of the Monsanto company.

Herman K. Eckert, plant manager of the Nitro, W. Va., plant of the organic chemicals division of Monsanto, has been appointed plant manager of the Texas city plant. Dr. Charles S. Comstock of the production staff of the Merrimac division at Everett, Mass., has been appointed production superintendent.

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Robert G. Wilson, affiliated with the New York office of the Dow Chemical Company will report for active duty with the Navy July 1.

Uhe First Lieutenant In U. S. Sanitary Corps

George Uhe, head of the George Uhe Company, broker in chemicals, pharmaceuticals, oils, and other allied products, reported for active duty June 30 with the U. S. Army. Mr. Uhe was recently appointed first lieutenant in the sanitary corps.

Having operated a chemical brokerage firm for the past twenty-two years, Mr. Uhe is widely known in the chemical industry. Business of the George Uhe Company will be continued during his absence with D. J. Briasco, head of the essential oils department; A. C. Schoenwaldt, pharmaceuticals; Gilbert A. Schuster, spices and gums; and M. J. Hayes, industrial chemicals.

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Allied Asphalt Gets Kraaz To Head New Wax, Oil Div.

H. W. Kraaz, formerly vice-president and sales manager for the Koster-Keunen Wax & Oil Products Company, has joined the Allied Asphalt & Mineral Corporation as manager of its new wax and oil division, according to G. S. Ziegler, vice-president and general manager of Allied, who also announced that, in addition to the waxes previously manufactured, Allied Asphalt will supply a wide range of domestically produced products, such as ozokerite waxes, amorphous mineral waxes, oeresines, synthetic carnaubas as well as synthetic montan waxes, naphthenic acids, naphthenic soaps and their substitutes.

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Sherman Quits A.T.F.A.C.

E. R. Sherman, secretary-treasurer for two years of the American Turpentine Farmers Association Cooperative, resigned July 1 to join the National Bank of Brunswick, Ga., as cashier.

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Rieber Ousting Asked By Barber Asphalt Holder

Trenton, N. J., July 2, 1942

Captain Torkild Rieber, who resigned as chairman of the Texas Company in 1940 after disclosure of his contact with Dr. Gerhard Westrick, Adolf Hitler's personal commercial envoy in this country, has been named in a Chancery Court suit here to oust him as president and director of the Barber Asphalt Corporation, Perth Amboy.

Vice Chancellor Wilfred H. Jayne has temporarily enjoined the defendants from sale or conversion of plants and ordered them to show cause on July 7 why transfer of the corporation's roofing plant to Bonafide Hills, Inc., and the dismantling of any plant or removal of any machinery should not be permanently enjoined.

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Phelps Dodge Copper Products Corporation, this city, has appointed Robert C. Wilkin, Pacific coast manager, with headquarters at Los Angeles.

Importers

SOUTH AMERICAN ESSENTIAL OILS

From Original Sources

BUSH PAN-AMERICA, LTD.

136 LIBERTY STREET, NEW YORK CABLE: ARROBUSH

OIL of PEPPERMINT

Of American Origin Only

A. M. TODD COMPANY

KALAMAZOO, MICHIGAN

MORE IMPORTANT THAN EVER

Javonella

PERFECT FOR PERFUMING

• LAUNDRY SOAPS • WASHING POWDERS • LIQUID CLEANSERS • POLISHES, ETC.

EVEN when oil of citronella was low in price and easy to obtain, JAVONELLA was a reliable favorite. A great many manufacturers preferred its finer, cleaner odor, its uniform quality and consistent economy. And now that Citronella is high in price and difficult to get, JAVONELLA is more important than ever before.

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FELTON CHEMICAL COMPANY, INC.

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Branches in Principal Cities

Manufacturers of Aromatic Chemicals, Natural Derivatives, Perfume and Flavor Oils

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Supreme Flower Essences

Surfine Essential Oils

Basic Perfume Materials

Special Perfume Creations for All Purposes

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12 East 22nd St., New York, N.Y.

VIKING

Petroleum Solvents

PENTANE

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LOW COST - HIGH QUALITY

Special Solvents for Specific Purposes

VIKING DISTRIBUTING CO.

K.V. BLDG. CHARLESTON, W.VA.

PETROLATUMS *and* WHITE OILS

From The Refinery of Controlled Specialization

SHERWOOD

REFINING COMPANY, INC.

ENGLEWOOD, N. J. • Refinery: WARREN, PA.

Petroleum Products

Elevation of Price Ceilings for Gasoline, Kerosene and Light Fuel Oil on East Coast Improves Position of Entire Industry —Encouraging Freer Movement

Developments in the market for petroleum and petroleum products within the past week have tended to improve the strategical position of the entire industry. First, as foretold in these columns during the preceding fortnight, OPA has granted long-awaited and urgently needed permission to the Atlantic coastal trade to raise its prices for gasoline 2½ cents per gallon and those for kerosene and light fuel oils 2 cents per gallon, effective June 29.

This granting of price increases for gasoline, kerosene and light fuel oils, while leaving industrial fuel oil prices unaltered, is believed to have prevented repercussions on the costs of other industries. It has already exerted a beneficial influence on gasoline and fuel oil supplies in the present rationing area, as the larger advance in gasoline prices is reimbursing the East Coast trade for the higher cost of all kinds of fuel oil. Secondly, intimations have been given that commensurate compensation will eventually be afforded producers of virtually all other refined petroleum products in the East.

Among other interesting developments marketwise within the week have been additional OPA rulings establishing the price of a high gasoline-content petroleum in the University field, East Baton Rouge parish, Louisiana, at a maximum of $1.48 per barrel, which was 2 cents above the figure hitherto paid by one large buyer, and granting permission to two relatively small producers of refined paraffin wax—one in Wisconsin and the other in California—to increase their prices a half cent and a full cent per pound, respectively, above the price ceilings fixed for other and better equipped producers.

Price Changes

Advanced

Crude petroleum, in University Field, East Baton Rouge Parish of Louisiana, 40 degrees and above, 2c. per barrel.

Gasoline, at refinery, in Bayonne, U. S. motor, 65 octane, in tankcars, ex tax; 72-74 octane, ex tax, 2½c. per gallon; Group 3, 72-74 octane, tanks, ½c. per gallon.

Kerosene, at refinery, in Bayonne, 41-43 waterwhite, in tankcars, 2c. per gallon.

Reduced

None

Solvents and Diluents

Aromatic Naphthas. — Demand active. Supplies tight. Market strong.

Cleaners' Naphthas.—In good request. Offerings light. Prices firmly held.

Lacquer Diluent. — War industries taking bulk of offerings with paint trade absorbing remainder. Stocks rather small. Prices well maintained.

Mineral Spirit.—In brisk call. Supplies limited. Tone strong.

Rubber Solvent.—Supply situation tight. Movement to war industries heavy. Normal trade procuring all it can.

Stoddard Solvent. — Supplies light. Inactive request. Market firm.

V. M. & P. Naphtha.—Demands of war industries and paint trade constantly growing. Prices firmly held.

Markets at Other Centers

Chicago—July 3

The paint industry and other consuming lines are taking relatively large quantities of solvents and diluents. Hence the market maintains a generally firm to strong aspect.

Aromatic Naphthas. — Supplies tight, prices firm.

Cleaners' Naphtha.—Limited offers, no price change.

Lacquer Diluent.—Brisk demand, market steady.

Mineral Spirits.—Inquiry good, prices firm.

Rubber Solvent.—Interest keen, quotations stiff.

Stoddard Solvent. — Demand brisk, prices stable.

V. M. & P. Naphtha.—Limited supplies, prices steady.

New Orleans—July 3

Both solvents and diluents are in strong position here. Demand is still well in excess of supply. Offerings light. Movement curtailed by inadequacy of transportation facilities.

Cleaners' Naphtha.—In active call. Supplies small. Prices well maintained.

V. M. & P. Naphtha.—Large buying interest manifested by paint trade. Stocks light. Tone firm.

San Francisco—July 3

Aromatic Naphthas.—In good call.

Rubber Solvent.—Somewhat slow.

Stoddard Solvent.—Demand is quite good.

V. M. & P. Naphthas.—Orders are of fairly good size and frequency.

Tulsa—July 3

Solvents and diluents are firmly held. Demand brisk. Offerings light.

Lacquer Diluent.—In good request. Supplies small. Tone strong.

Mineral Spirit.—Paint trade showing keen buying interest. Offerings light. Prices steady.

Rubber Solvent.—In brisk call. Stocks meager. Tone firm.

V. M. & P. Naphtha.—Supply situation tight. Demand active. Prices firmly held.

Lighter Fractions

Butane.—A majority of refiners in the Group 3 area holding their stocks at 3 cents a gallon for high grades on f.o.b. basis, but some are declining to sell at less than 3½ cents per gallon for standard material. One refiner in that territory is still offering medium grade at 2½ cents.

Heptanes.—Both laboratory and industrial grades continue in good demand. Supplies small. Prices firmly held.

Hexanes.—Supplies light. Demand brisk. Market strong.

Octanes.—In good request. Stocks small. Tone firm.

Pentanes.—Demand far exceeds supply. Prices strongly maintained.

Propane.—A wide diversity of prices prevails in the Group 3 area, with some refiners offering material as low as 2¾ cents and up to 3¼ cents, but with others holding out for 3¾ cents.

Markets at Other Centers

Chicago—July 3

Butane.—Buying good, prices about steady.

Heptane.—Firm call, prices stable.

Hexane.—Demand keen, prices holding.

Octanes.—Request good, market firm.

Pentanes.—Orders active, prices strong.

Propane.—Keen interest, prices steady.

San Francisco—July 3

Butane.—Demand high; supply situation rather tight.

Propane.—Not enough to go around.

Tulsa—July 3

Supplies of the lighter fractions continue light because of restrictions placed on production here. Prices well maintained. Movement contracted by lack of sufficient transportation facilities.

Butane.—Supply tight. Demand active. Prices firmly held.

Propane.—In brisk request. Stocks light. Tone strong.

Naphtha Price Boost Looming

As a logical sequel to the recent raising of the price ceilings for gasoline to the extent of 2½ cents per gallon and those for kerosene and light fuel oils by 2 cents per gallon in the East Coast area, commensurate advances in prices appear well warranted in diluents, aromatic and solvent naphthas in this same territory. Present prices for these petroleum products were based, like those previously named for gasoline, kerosene and light fuel oils, on the lower cost of water transportation from the Southwest to the East Coast, of which they are now deprived. The higher cost of rail transportation makes it urgent that they obtain similar compensation through price raises.

The OPA's latest permission for East Coast refiners to raise their prices for three classes of petroleum products has constituted the third such increase in quotations allowed by that board since the outset of this year, to make up for the increased cost of moving petroleum to the Atlantic states by means other than tank ships. But is has differed from the two previously granted price advances in that it has afforded the first major instance of puncturing the price ceiling levels maintained since the General Maximum Price Regulation was issued and made effective May 11.

Thus precedent has now been broken and, despite OPA's openly expressed reluctance to permit raising of prices for any and all products urgently needed in the war effort, it may be fractured again, although a move in this direction may be withheld for some time.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 9

penn drake petroleum products

Penn-Drake WHITE OILS have the fine qualities you seek

BLEND READILY

A smoother cream or other preparation is obtained with Penn-Drake White Oil base because it is made to blend readily with other ingredients. Furthermore, there is little or no tendency for separation of liquid from solid ingredients. Waxes dissolve readily and stay finely divided.

FREE FROM COLOR, ODOR, TASTE

Being crystal clear and water white, Penn-Drake White Oils bring added brilliance to your preparations. They never become cloudy or develop an unpleasant taste or odor that would be detrimental to your products.

PERMANENT

Extreme care and precision in refining, based on almost eighty years experience, produces White Oils that retain their fine qualities PERMANENTLY. The practical value of this feature (which prevents deterioration on dealers shelves) has caused many manufacturers of cosmetic, medical and other preparations to standardize on Penn-Drake White Oils.

***WRITE** for full information, specifications, etc., on Penn-Drake White Oils or other petroleum products. To save time, give us complete data on your requirements. Address Dept. 107.*

PENNSYLVANIA REFINING CO.
GENERAL OFFICES · BUTLER, PA.

Makers White Oils (U. S. P. and Technical); Petrolatums (all grades and colors); INSECTI-SOL (deodorized insecticide base); Deodorized and other Naphthas; Petroleum Sulphonates; Waxes; Industrial and Motor Lubricants and Greases; Fuel Oils, and other petroleum products

Petrolatums and Waxes

Paraffin. — Crude scale material in good demand and light supply. Tone firm. OPA has granted permission to a small refiner in Wisconsin and another in California, not equipped to produce fully refined wax from paraffinic petroleum crude oils and forced to use the more expensive process of refining crude scale wax, to raise their prices one-half cent and one cent per pound, respectively.

Petrolatums. — In active request. Offerings light. Tone strong.

White Mineral Oils. — Demand brisk. Stocks small. Market firm.

Markets at Other Centers

Chicago—July 3

Paraffin.—Demand active, no price change.

Petrolatums.—Tight supply, market strong.

White Mineral Oils.—Offerings limited, quotations stiff.

Los Angeles—July 3

The supply of paraffin wax made on the Pacific Coast is gradually, month by month, increasing, but demand is such that there is not enough to fill the orders.

Fuels and Lubricants

Fuel Oil.—In good demand. Offerings becoming a little more liberal. Plans being made to convey this oil from Mid-Continent and Texas areas by pipeline to Toledo and thence to New York and other East Coast territory by New York State Barge Canal. Prices strongly maintained on the basis of the recent permissible advance of 2 cents a gallon for light oil in the East. Heavy fuel oils continue in small supply.

Gasoline. — Supply situation still tight on East Coast in consequence of allocations of only 50 percent of their 1941 takings to local dealers. The recent granting by OPA of permission to Atlantic seaboard trade to raise prices 2½ cents per gallon, while tending to increase costs of motor transportation, is proving of great benefit by helping to amplify efficiency of trucking and bus services in this territory.

Kerosene. — Recent action of OPA in allowing a general markup of 2 cents a gallon in prices in the eastern states is stimulating movement of this oil materially. Demand continues to grow.

Markets at Other Centers

Chicago—July 3

Gasoline has strengthened small fractions additionally, with offerings limited. Demand is still good and expanding, although not sensationally so. Farm call for kerosene, etc., is good, with lubricants also active.

Gasoline.—Strong demand. Price of Middle West refinery gasoline up ⅛c. per gallon.

Kerosene.—Active call, market firm.

Lubricating Oil.—Firm tone, prices stiff.

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J. A. Danner, sales promoter for the Standard Oil Company of Indiana, in its Chicago division, has retired under that company's pension plan. Harry G. Stiles, formerly his assistant, succeeds to the vacancy.

Unless He Connects

SWINGING *at* a baseball never won a game. Someone has to *hit the ball.*

And someone has to *"hit the ball"* when you need emergency service on solvents.

Why the Skelly Oil Company is in a better position to *"hit the ball"* for you is a story of sources of supply, refining facilities, distribution organization, and *many years' experience at the bat!* The Skellysolve reputation for coming through was not made by fanning out in the pinches.

Take a moment now to drop a line and get the information about Skellysolve and Skellysolve Service. The day may come—and most likely will—when you'll be mighty glad you did.

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The Skellysolve line includes naphthas specially fractionated for all laboratory and industrial uses. We furnish a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved to be of great value. Write or wire for full information today.

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SOLVENTS DIVISION, SKELLY OIL CO.
SKELLY BLDG., KANSAS CITY, MO.

Obituaries

William R. Acheson

William R. Acheson, vice-president of the Massachusetts College of Pharmacy and former president of Boston Druggists Association, died recently. He was seventy-three years of age. He was graduated from the Massachusetts College of Pharmacy in 1889.

Surviving are his wife, one son and a daughter.

Ada Howe Kent, former vice-president of the Eastman Dry Plate & Film Company, later the Eastman Kodak Company, died June 30 in her home in Rochester. She was eighty-four years old.

John Mitchell Levis, former treasurer and a founder of the old Illinois Glass Company, Alton, Ill., now merged with the Owens-Illinois Glass Company, died in Chicago July 1. He was eighty-four years of age.

George D. Locke, former vice-president of the Barnsdall Oil Company, died in Delmar, Calif., July 1. He was sixty-eight years of age.

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Tank Trucks Exempt From ODT No. 6

—Continued from page 3

ered the minimum efficiency standard for wartime operation of commercial vehicles in view of the rubber shortage and lack of new equipment. Under the postponement orders, trucks may continue to return empty or partially loaded if no cargoes are available.

Local Delivery

A general permit authorizing additional local delivery service by motor carriers before National holidays falling on Saturdays and Mondays has been issued by the Office of Defense Transportation. The action allows carriers whose operations are restricted by General Order ODT No. 6 to make two deliveries or one delivery and one call back on the Friday before a National holiday falling on Saturday or on the Saturday before a National holiday falling on Monday. In the event an extra delivery or a call back is so made, the carrier may make no delivery on the holiday, other than certain special deliveries authorized by Order 6.

Troops Before Freight

A general order which makes it possible for ODT to remove from United States ports any freight cargo when necessary to assure expenditious movement of troops and war materials, has been issued. The order, No. 12, effective immediately, authorizes the director of ODT's Division of Railway Transport to require any railroad serving a port to move to such destination as the ODT may specify, "any export, coastwise or intercoastal shipment of freight which it may have in its possession in such port, notwithstanding the provisions of any general order heretofore issued by the Office of Defense Transportation, or of any instructions contained or routing specified in the bill of lading of any such shipment."

Materials Section Head

Warren W. Kelly, of Chicago, has been named as director of the section of materials and equipment of the Office of Defense Transportation, to succeed Philip A. Hollar. Mr. Hollar, who will return to the Association of American Railroads, came to ODT as acting director of the materials and equipment section in March. He will continue as a consultant to advise with Mr. Kelly on technical matters.

Railway Transport

Two appointments to the Division of Railway Transport have been announced by Joseph B. Eastman, Director of the Office of Defense Transportation. Harold A. Hobson, of Cleveland, Ohio, has been appointed deputy director of the division to assist Charles B. Colpitts, associate director, who is in charge of rail-truck coordination for the Eastern and Southern regions. William B. Russell, of Atlanta, Ga., has been named assistant director of rail-truck coordination for the southeast region and will be in charge of the division's Atlanta office.

Fertilizer Materials

Exigencies of War Curtailing Use of Chemical Nitrogenates In Fertilizers — Sulphate of Ammonia Shipments Held Up —Imported Blood Higher; Domestic Lower in Chicago

At the very outset of the fertilizer industry's new year, additional restrictions imposed by WPB on the use of chemical nitrates and ammoniates are tending to reduce the movement of these materials to the trade, forcing agriculturalists to have greater recourse to oil seed meals and other organic nitrogenates.

Insofar as it can be accomplished without undue inconvenience, WPB is endeavoring to restrict the use of chemical nitrogen products in mixed fertilizers designed for preparing the soil for fall wheat, including buckwheat, crops and is urging all wheat growers to employ other types of fertilizers.

The only price revisions of consequence within the past week have been recorded in a slight marking up of prices for imported dried blood and concessions in high-grade ground domestic blood.

Price Changes

Advanced

Blood, dried, imported, in bags, c.l.f. ports of shipment, 5c. per unit-ton.

Reduced

Blood, high-grade, ground, 16-17 percent ammonia, bulk, f.o.b. Chicago, 5c. unit-ton.

Comparative Values

Index numbers compiled from four typical fertilizer materials, on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
71.7	71.7	71.7	69.1

Market news that may have developed after this report was sent to press will be found on page 4.

Nitrogenates

Cottonseed Hull.—Supplies of Texas cottonseed hull still sufficient for all current needs. Prices stable. Cottonseed meal fairly well maintained at $37 to $37.50 per ton for 8 percent at Southeast points.

Cyanamide.—Little of this synthetic material is now available for the fertilizer trade. Government authorities are recommending a cessation of long freight hauls, especially those from extremely northern plants into the sugarcane growing belt in Louisiana, where the planters are urged to obtain their supplies of nitrates from Chilean importations at Gulf ports. Bulk of current output going to war industries. Prices more or less nominal.

Dried Blood.—Stock feed makers continue to buy extensively of domestic high-grade material, but fertilizer trade is virtually out of the market. Sales of two carload lots of imported material have been reported at $5.50 per unit-ton, on spot, showing an advance of 5c. per unit-ton. A concession of 5c. has been made to stimulate purchasing in high-grade ground, 16-17 percent ammonia content material in Chicago, making the revised quotation on this grade $5.65 to $5.70 per unit-ton in that market. Ceiling prices prevailing elsewhere.

Nitrate of Soda.—Supplies continue tight and subject to allocation. Chilean nitrate interests will announce today continuance of their June price schedule for July.

Sulphate of Ammonia.—WPB's call for reports on the fertilizer trade's requirements for the ensuing year is delaying the new year's operations in this market by halting shipments from producer's plants until these reports have been studied and analyzed as a preliminary to arranging allocations in which war needs are to be adequately provided for before consideration is given to non-essential users. Though it is understood that there will be no price revisions in the July schedule for domestic sulphate of ammonia, there is yet no official announcement on this score. Estimates on by-product cokeoven operations for the week ended June 27 indicate production of 37,439,680 pounds of sulphate of ammonia from this source.

Tankage.—In brisk call from stock food manufacturers. Ceiling prices being paid.

Nitrate of Soda Prices

Contrasted with the abnormally high prices which it commanded in previous war eras, nitrate of soda, though in diminished supply for fertilizer purposes, has been moderately priced in the present World War period.

During a war between Chile and Peru, in 1879, prices of this material ranged from $60 to $72.40 per ton. In the two years of our participation in World War 1, they ran upward from a low of $52 per ton in 1917 to a high of $88 in 1918, the last-mentioned figure having been fixed by government authority for the month of June. Today, in the seventh month of our effort in World War 2, the domestic product is priced at $27 per ton, f.o.b. plants in Virginia while the material obtained from mines in Chile is quoted at $30 in carload lots, f.o.b. Atlantic, Gulf and Pacific Coast warehouses for rail or boat shipments.

Potashes

A large volume of contracts has been booked by the leading domestic producers of muriate of potash, but governmental agency demands have reached such large proportions that some of these interests have been impelled to cut deliveries on their new contracts with the fertilizer interests by as much as 10 percent, although WPB has assured the fertilizer industry that no allocations are contemplated on this chemical at this time.

Phosphates

Bone Materials.—In fair request. Offerings normal. Prices steady.

Phosphate Rock.—In active demand. Offerings moderate-sized. Market firm.

Superphosphate.—Supply situation tight. In good inquiry. Prices steady. No need for supply regulation has yet been found by the WPB. By the terms of a new amendment to Maximum Price Regulation No. 135, the OPA has raised the maximum prices which manufacturers may charge the Agricultural Adjustment Agency on its superphosphate purchases to the same levels as those paid by other consumers.

Sulphur and Pyrites

The bulk of the domestic output of crude sulphur continues to move steadily to the war industries and the residue to normal consumers. Spanish pyrites still unavailable.

Markets at Other Centers

Atlanta—July 3

Nitrate of Soda.—Light demand. Chilean price $30 per ton at ports.

Cottonseed Meal.—8 percent grade, $37 to $37.50 per ton, Southeast.

Nitrogenous Tankage.—$3 per unit, scarce, Midwest.

Fish-Acidulated Scrap.—$4.25 and 50, Carolina Coast points. Scarce.

Baltimore—July 3

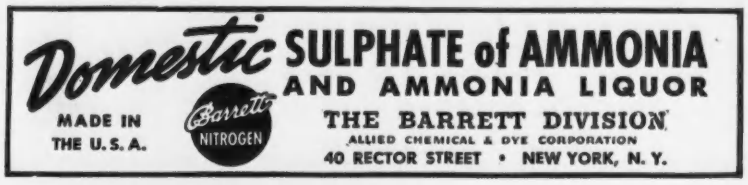
Fish Scrap.—No sales of this ammoniate are reported here, with the catch of menhaden represented as poor for the past two weeks in the lower Chesapeake Bay and at various points along the coast. Because of reports of raiding by submarines on the East Coast, fishing companies are loath to send their boats out, while the fishing grounds in the bay are restricted by order of the government. There is talk of a movement among the fishing companies to ask an extension of the open area in the bay. Only one of the two plants in Delaware has had its vessels out, but is reported to have caught practically no fish, while the other plant has not even made a start. Sales of meal are at a standstill owing to lack of offers.

Chicago—July 3

Blood.—Principal grade, $5.65 to $5.70 per unit of ammonia.

Tankage.—High grade, feeding, unground, $5.37; hoof meal, $4 to $4.50; liquid stick, $2.50 to $2.75.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 9



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Muriate of Potash 50% and 60%
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50 BROADWAY NEW YORK CITY

F M C

FROM MAINE TO CALIFORNIA

This familiar phrase, immortalized by political orators for many years, literally came true at FMC this week. A complete Feldspar plant purchased in Maine and an order from far-off California for our biggest Vacuum Pan to be used on a government project, these were parts of our routine business.

Reactivating idle equipment, relocating it from one spot in idleness to another where it is urgently needed is our contribution to the War Effort. We are proud of our usefulness in "keeping 'em rollin' ".

2—6′ x 30′ Galland and Henning Tubular Steam Dryers with 4″ tubes.
1—Louisville Dewatering Press, 4 roll, with 5 H.P. Motor.
1—Colton Automatic Pill Machine, No. 0.
1—Colton No. 4 single punch Tablet Machine.
1—Colton No. 2 Rotary Tablet Machine.
1—Stokes Rotary BB Tablet Machine.
Sweetland Filters No. 5 and No. 7.
Sharples Super Centrifuges, clarifier types and others.
1—Sprout Waldron double runner Attrition Mill.
1—Schutz O'Neill 4 roll spice Mill, 9″ x 18″.
1—Set of large Cooling Rolls, 30″ x 72″, capacity 5000 lbs.
Dry Mixers, 600 lbs., 1000 lbs., 1500 lbs., and 3000 lbs.
1—Karl Kiefer, 12 x 12, 9 plate cast iron Filterpress.
1—Johnson 24 x 24, 25 plate cast iron Filterpress.
1—United 24 x 24, 34 plate Filterpress.
1—Shriver 30 x 30, 36 plate Filterpress.
1—Sperry 36 x 36 Press, with 12 jacketed and 30 solid plates.
1—Sperry 42 x 42, 57 plate cast iron Filterpress.
Filterpress Skeletons, two 30″ and one 42″ with long side bars.
1—36″ copper Column, 33′ high.
2—Stainless steel horizontal truck type Tanks, capacity 2100 gallons, overall length 15′.
6—Buhrstone lined 6 x 6 Pebble Mills.
26—Devine, Worthington, Blake and Knowles Vacuum Pumps, 70 CFM to 800 CFM.
1—Bethlehem cast iron Nitrator, 8′ x 4′6″, jacketed and agitated.
5—14,000 gallon steel storage Tanks, welded and horizontal type.
2—Bonnet direct heat Dryers, 6′ x 65′.
2—Devine Rotary Vacuum Dryers, 5′ x 30′.
4—Rotex Sifters, No. 7, size 40″ x 84″.
1—Struthers Wells, triple effect Evaporator.
1—Pfaudler 6′ glass lined jacketed Evaporating Dish.
2—35 gallon glass lined unjacketed Vacuum Pans.
3—60 gallon copper Vacuum Pot Stills.
Baker, Perkins W & P Mixers, jacketed or unjacketed, from 10 gallons to 250 gallons.
1—Stainless steel Bird Centrifugal Filter, 40″ suspended type.
1—Tolhurst Centrifugal Extractor, rubber lined curb, Monel basket.
65—Copper steam jacketed Kettles, ranging from 15 gallons to 500 gallons.
2—300 gallon and two 150 gallon aluminum steam jacketed Kettles.
2—Tyler Hummer Screens, 3′ x 5′, with Generator.
Glass lined Tanks, jacketed from 125 gallons to 300 gallons, unjacketed from 50 gallons to 1000 gallons.
Standard Brands in Labelers for Cans, Jars and Bottles, all sizes.
Raymond Mills, one 00, one 0000, one 2 roll high side Mill, 10′ x 15′.

ARE YOU LOOKING FOR A COMPLETE PLANT? WE HAVE SEVERAL HUNDRED COMPLETE PRODUCTION SET-UPS LISTED IN OUR RECORDS FOR SALE. IN WHAT INDUSTRY ARE YOU INTERESTED? DETAILS SUPPLIED UPON REQUEST.

Send for Full Details and Quotes

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Help Wanted and Positions Sought—Minimum $2.00, thirty-six words or less; 35c for each additional six words.

All Other Classified Advertisements—$5.00 thirty-six words or less; 85c for each additional six words or fraction.

Agencies Wanted

FORMER GENERAL European agent and distributor, with headquarters in Paris, of world renowned pharmaceutical lines, seeking representation in pharmaceutical, chemical and allied lines for Peru. Thorough technical knowledge (graduate Pasteur Institute) in chemistry and 20 years' commercial experience enables me to launch successfully any specialty in above fields. BOX 850, Oil, Paint and Drug Reporter.

Containers Offered

FOR SALE—500 returnable open-head chime-type drums, plastic lined, resistant to most acids and alkalies. Bison Laboratories, 80 Leslie street, Buffalo, N. Y.

Equipment Wanted

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 854, Oil, Paint and Drug Reporter.

WANTED—Atmospheric drum dryer, single or double drum, first-class operating condition. Complete details in first letter. BOX 861, Oil, Paint and Drug Reporter.

Materials Offered

PAINTERS CAPS, paperhanger aprons and all other forms of cloth advertising specialties; samples and information on request. Minnesota Specialty Co., 119 N. 4th street, Minneapolis, Minn.

CASTOR OIL fatty acid, dark color, low price, available in drum and tankcars; also 300 lbs. phytosterol and 2,000 lbs. Greek locust bean gum, 50 drums distilled fatty acid. BOX 856, Oil, Paint and Drug Reporter.

ALUMINUM SULPHATE (iron free)—20,000 pounds packed in 100-lb. bags located New York City. BOX 857, Oil, Paint and Drug Reporter.

MATERIAL OFFERED—Chloramine T tablets, 4.6 grains; 400,000 packed 5,000 to a bottle. Will sell all or part; $1.30 per thousand, delivery charges collect. BOX 859, Oil, Paint and Drug Reporter.

FOR SALE—14,000 lbs. sulphuric ether solvent grade and 1,500 lbs. USP, original drums, warehoused Jersey City and Boston. Selling because change in processing. Price 9c., f.o.b. warehouses. BOX 860, Oil, Paint and Drug Reporter.

Materials Wanted

WANTED—15 lbs. piperazine, 11 lbs. piperazine hexahydrate, 5 lbs. stovaine, 11 lbs. benzidine. High prices will be paid. Offers in atropine and atropine salts also invited. Write to Henry A. Samton, 110 East 42nd street, New York City.

Positions Vacant

MAN with knowledge of chemical developments in the U. S. and market research for work on compilation of surveys covering both technical and economic aspects. Chemical background essential. State full particulars, qualifications, experience, age, etc. Application kept confidential. BOX 845, Oil, Paint and Drug Reporter.

EXPERIENCED PERFUMER wanted to take charge of essential oil problems and development for a cosmetic company. State in detail academic training, experience, age, salary desired and draft status. BOX 855, Oil, Paint and Drug Reporter.

—*Continued on page* 71

Liquidation!

INSECTICIDE CORP. OF AMERICA
Medina, N. Y.

REAL ESTATE: 7½ acres; 30,000 sq. ft., 2 story frame building, with 40,000 gal. Tower Tank, sprinklered throughout, railroad siding.

MAIN ITEMS: Raymond No. 1 Pulverizer; 12″, 24″, 36″ Shriver Filter Presses; 3—Mikro Pulverizers; 2—1000 lb. Mixers; Stainless Steel Pumps; Schutz O'Neill Pulverizer; Premier 10″ Colloid Mill; Mixing Tanks from 500 to 7000 gal.; Storage Tanks, from 10,000 to 46,000 gal.; Pumps; Shafting; Piping; Office Furniture; Laboratory, etc. Send for Bulletin! Representative on premises.

SELECTED SPECIALS

1—Raymond 5 Roll, High Side Roller Mill, late design
1—Rotary Kiln, 8′ x 90′, ⅛″ shell
1—Lead Lined Single Effect Evaporator, 525 sq. ft. surface
1—Hersey 5′ x 25′ Indirect Heat Dryer
2—7′ diameter Vacuum Crystallizers
1—Anderson RB Oil Expeller
1—Devine No. 27 Vacuum Shelf Dryer, 17 shelves, 59″ x 78″
2—Rubber lined Tanks 42″ x 60″
1—Stainless Steel Jacketed Tank 46″ x 50″
1—Tablet Machine, 1¼″ die
13—Lead Centrifugal Pumps, 2″
1—Jewel Filtration Plant, 500 gpm
1—Rotary Continuous Filter 6′ x 4′4″
2—Williams Infant Hammer Mills
1—Ball Mill 6′ x 4′
2—Atmospheric Drum Dryers 4′ x 8′
1—Cutler No. 4 Steam Tube Dryer
2—Jaw Crushers 6″ x 9″, 9″ x 15″
4—Storage Tanks, 6000 to 10,000 gals.
1—Raymond No. 00 Screen Mill
2—Day Imperial No. 30 Mixers, jacketed
1—Day Cincinnatus 100 gal. Mixer
4—Rotex Screens, 20″ x 40″ to 40″ x 84″, single, double and triple deck
1—Elyria 100 gal. Glass Lined Vacuum Pan, agitated
1—Atmospheric Double Drum Dryer 3′ x 8′
5—Glass Lined Jacketed Kettles, 200 to 500 gals.
2—Paint Lead Mixers, 100 gal. each
14—Pebble Mills, from Lab. to 1,000 gal.
6—Sharples No. 6 Clarifiers
1—Hardinge 3′ x 8″ Steel Lined Ball Mill
5—Tolhurst Centrifugals, 26″ to 60″
22—Batch Mixers, 50 to 2000 lbs.
25—Copper Steam Jacketed Kettles, 10 to 300 gals., agitated and non-agitated
3—Sweetland Filters, Nos. 5, 7 and 10
19—Shriver and Sperry Cast Iron, Wood, Aluminum and Bronze Filter Presses, 12″ to 42″
6—Colloid Mills, U. S. and Premier
12—Glass Lined Tanks, 50 to 1000 gals.
4—Kiefer Visco Fillers, gear and piston type

TABLET MACHINE—SCREENS—PUMPS—CONVEYORS—FILLING AND PACKAGING EQUIPMENT—SINGLE AND MULTIPLE EFFECT EVAPORATORS—DRYERS, ETC.

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Pebble Mills, Motor Driven
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10 New Storage Tanks
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DAY 3 Roller Mill, 12 x 32 w.c., m.d.
BUFLOVAK Vacuum Drum Dryer, 24″ x 20″, bronze, complete.
BUFLOVAK Vacuum Drum Dryer, 48″ x 40″, steel, complete.
Lead Lined Agitated STRUTHERS WELLS 150-gal. Kettle.
Autoclaves and Jacketed Steel Kettles, 300 to 800 gals.
Filter Presses—18″ Shriver and 24″ Skeleton.
STOKES Single Punch Tablet Machine, 1½″ diameter.
STOKES Water Still, 25 gals. per hour.
2—64-gallon Lead Mixers, m.d.

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1—Proctor & Schwartz 24-truck Atmospheric Dryer, 4166 sq. ft. tray service. Can be split into 2—12-truck Units.
6—Rotary Vacuum Dryers; 1—5x30 ft.; 1—5x25 ft.; other smaller sizes.
7—3-roller Mills, up to 16 by 40.
1—W. & P. Vacuum Mixer, 100 gals.; other W. & P. 2 gals. to 2000 gals.

Only a Partial Listing.

8—2000 lbs., 1200 lbs., 800 lbs. Dry Powder Mixers.
1—Oates 10 ft. copper Calandria Pan; other 50 to 500 gals.
4—4 ft. x 6 ft. Iron Oliver Filters.
12—Ball and Pebble Mills, 10 gals. to 500 gals.
1—Pneumatic Scale Packaging Units.

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(name withheld by request) **located at Buffalo, N.Y.**

PRINCIPAL ITEMS

1—Pneumatic Scale 2-stage STRAIGHT LINE FILLER AND WEIGHER, and Pneumatic Scale CAPPING MACHINE, complete with conveyors and motor.
1—Gedge Gray 400-lb. steel horizontal DRY POWDER MIXERS AND SIFTERS.
1—Karl Kiefer rotary gear-type portable VISCO FILLING MACHINE, motor driven.
1—Karl Kiefer Rotary 72-spout BOTTLE WASHER, m.d.
1—Dopp 80-gal. STEAM JACKETED AGITATED KETTLE.
1—100 gal. ALUMINUM STEAM JACKETED KETTLE.
1—20-gal. ALUMINUM STEAM JACKETED KETTLE.
1—Day trunnion type 2-Jar Mill or Triturator, with extra Jar.
1—150 gal. glass lined JACKETED TANK, with agitator.
1—STEAM JACKETED PERCOLATOR, 24″ dia. x 18″ straight side, 12″ cone, with bottom outlet.
1—80 gal. COPPER STEAM JACKETED KETTLE, with Agitator.
2—80 gal. VULCAN COPPER MIXING TANKS, on trucks, with agitators.
5—15 gal. COPPER TIN LINED PERCOLATORS, with stands.
2—300-gal. VULCAN COPPER TANKS, on trucks.
4—125-gal. COPPER STORAGE TANKS, on trucks.
2—9″x18″ Schutz-O'Neil 4-roller MILLS.

80 ASSORTED BRONZE SOAP DIES

3—Noye SIFTER REELS.
1—U.S. AUTOMATIC WEIGHING AND FILLING MACHINE, with 20′ conveyor table.
1—Quigley single cylinder size 4x2½ AIR COMPRESSOR, motor driven.
MISCELLANEOUS OFFICE EQUIPMENT, files, desks, chairs, lockers, etc.

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Business Wants and Offers

—*Continued from page 70*

Positions Vacant

CHEMIST experienced making ester gum resins, alkyds for small plant. State age, experience, salary desired. BOX 858, Oil, Paint and Drug Reporter.

PAINT SALES opportunity—New Jersey manufacturer, with small, but complete paint factory, seeks high-type salesman, with following, capable of taking full sales responsibility of plant output. This is an unusual opportunity, starting on a moderate salary, with advancement strictly dependent upon your initiative, ingenuity and results. At present we are making a full line of marine paints, and limited lines of interior and exterior house paints and industrial finishes. Write giving personal data and a brief outline of your experience and qualifications. BOX 847, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMICAL ENGINEER, native American; over 20 years' experience in plant operation, office and sales: fats, hydrolysis, hydrogenation, soap, glycerin, paint and lacquer. Some years with present connection, but war necessitates change. Any sound offer; any location (domestic or foreign) will receive respectful, confidential consideration. BOX 848, Oil, Paint and Drug Reporter.

BUYER, SELLER, trader, wholesale drugs, chemicals, pharmaceuticals, botanicals, essential oils, allied lines, raw materials, general merchandise, import, export and domestic fields; thoroughly experienced; desires interview. BOX 849, Oil, Paint and Drug Reporter.

COLOR CHEMIST, inorganic pigments, blackout material, utilization of residues and substitutes, dyestuff trader, seeks position. BOX 851, Oil, Paint and Drug Reporter.

EXECUTIVE, with successful record as administrator and coordinator, including 23 years of production and sales management in the chemical and pharmaceutical fields. Has valuable contacts, wide following and valuable formulae. Can assume full responsibility. (Draft exempt). BOX 852, Oil, Paint and Drug Reporter.

SPECIAL

1—3 ROLL HIGH SIDE RAYMOND MILL, BELT DRIVEN, COMPLETE WITH CONE SEPARATOR, FAN, CYCLONE DUST COLLECTOR AND PIPING.

F. J. STOKES 3' x 15' ROTARY VAC. DRYER, COMPLETE WITH DUST FILTER, COMBINATION SURFACE CONDENSER & RECEIVER & VAC. PUMP.

1—Devine 4' x 30' Rotary Vacuum Dryer.
6—4,000 gal. Vert. Acid Proof Tanks.
4—32" x 32" Iron Filter Presses.
2—Gehnrich Gas Fired Indirect Heated Atmos. Dryers and Ovens.
3—Sweetland Filters, No. 5, No. 7 and No. 8.
12—Iron and Wood Filter Press 18" to 36" sq.
1—No. 2 Oliver Duplex Vac. Pump, 14" x 8".
1—Pennsylvania Vac. Pump, 14" x 5".
2—Worthington 12" x 12" x 12" Vac. Pumps.
2—Day No. 30 Imperial Mixers, Jack.
2—J. H. Day No. 30 Imperial Mixers, Unjacketed.
6—Varnish Kettles, up to 200 gals.
5—Ross 8, 15 and 40 gal. Pony Mixers.
4—Ross 3 Roll Mills, 12"x30" and 16"x40".
10—Pebble and Jar Mills, Lab. to 750 gals.
3—Tolhurst Centrifugals, 26", 32" and 40".
10—Stone Mills, 10" to 32".
8—Lead and Paste Mixers, 50 to 135 gals.
6—Powder Mixers,100 lbs. to 3,500 lbs.
6—Horiz. and Vert. Mixers, up to 500 gals.
18—Glass Lined & Steel Tanks up to 10,000 gals.
6—Vert. Jack. Kettles, up to 500 gals., some agitated.
20—Copper Jack. Kettles, up to 150 gals.
1—Jeffrey 24" x18" Type A Hammer Mill.
3—Single and Double Roll Spike Crushers.
2—No. 0 and No. 1 Raymond Mills.
6—Williams & Jay Bee B.B. Hammer Mills.
1—Bauer 22" Attrition Mill.
1—Link Belt 75' Slat Conveyor.
1—Stedman 42" Ball Bearing Disintegrator.
15—Electric Agitators, ⅓ to 10 H.P.
20—Rotary, Centrifugal and Vacuum Pumps.
6—Liquid, Paste and Powder Fillers.

Only partial listing. Write for complete bulletins. We buy your surplus machinery.

STEIN EQUIPMENT CORPORATION
Department E
426 Broome St., New York City

Positions Wanted

CAPABLE PRICER; well informed wholesale drug and sundries man wishes to make connection with large house. Present located in Middle West. Good experience in all positions. Good references. Will go anywhere. BOX 853, Oil, Paint and Drug Reporter.

WANTED:

Process for the manufacture of War materials, suitable for operation in New York City.

About 60,000 sq. ft. of floor space with tanks, grinders, centrifugals, large vacuum shelf dryers, high pressure steam, chlorine and caustic plant, laboratory and complete operating organization available.

Ideal for sub-contracting.

Write Box 835, Oil, Paint and Drug Reporter.

Priorities on War Orders Rerated

—*Continued from page 3*

tion of the Director of Industry Operations. This rating is now abolished, and all outstanding AA ratings are automatically changed to AA-2.

The chief purpose of the rerating is to permit greater flexibility in the assignment of preference ratings to definite quantities of military and related non-military items, most of which have recently been either AA or in the A-1 series. It will permit use of top ratings for a balanced program of urgent war materials without seriously disturbing the pattern of ratings for other war and essential civilian orders. A separate form called a "Rerating Certificate," PD-4Y, is provided for use by a manufacturer whose deliveries to a war agency have been rerated, so that he may in turn rerate related deliveries to be made to him.

Alaska Gets Special Price Ceiling Formula

—*Continued from page 7*

Requirements Plan by the terms of priorities regulation No. 11 will not be required to do so until September 15, 1942.

Exemption No. 1 to the regulation, issued July 1 by the Director of Industry Operations, postpones the date when class I producers in territories and possessions outside the limits of continental United States are required to file under PRP until the fourth quarter of this year.

Superphosphate Prices To AAA Raised

—*Continued from page 3*

mum price regulation No. 135 was issued today, were subject to provisions of the General Maximum Price Regulation at the highest March, 1942, levels. In effect, due to the yearly contract, on AAA purchases, the price level under the General Regulation remained that of June 1941

Consumers' ceiling prices, on the other hand, have been established under regulation No. 135 at the higher prices at which superphosphate was offered in the price schedules of manufactures and dealers in effect between February 16 to 20, 1942.

Since June 1941, superphosphate manufacturers have had cost increases due to circumstances beyond their control. Sulphuric acid has been in short supply due to manufacture of munitions. Phosphate rock normally was shipped by boat from Florida. Owing to wartime conditions, such shipments now must be made by a costlier rail route. Both sulphuric acid and phosphate rock are important basic materials in the manufacture of superphosphate.

Pfizer Stock Oversubscribed

F. Eberstadt & Co., this city, has announced that the new issue of 240,000 common shares of Charles Pfizer & Co., manufacturing chemist, this city, publicly offered June 23 at $24.75 per share, has been heavily oversubscribed.

At Auction

MACHINERY AND EQUIPMENT OF THE Paterson Skein Dyeing Department of

THE UNITED PIECE DYE WORKS
PATERSON, N. J.

THURSDAY, JULY 16, 1942, AT 10 A.M.
ON THE PREMISES

9 Smith Drum all monel metal, motor driven 3-7-and 12-arm yarn dyeing machines, types CSD, style 2033, 1783, 2728; 20 Weidman 10- to 68-reel monel metal and copper lined tank yarn dyeing machines. 29 Buhlman 6- to 24 - reel monel metal and copper lined tank yarn dyeing machines. 15 Klauder Weldon and Giles 32 to 52 in., 28 to 60 stick, yarn dyeing machines.

26 Hercules, Burckhardt and Buffaud 38 to 60 in. Motor and Steam driven extractors, 5 Burckhardt and Weidman 50 and 60 reel wash and boil-off machines. 2 Hydraulic 64-arm yarn stretching machines. Phila. "Hurricane" horizontal yarn dryer. 3 Werner cloth rubbing machines, Windle and Elliott & Hall Folders, Parks & Woolson edge stencilers, button breakers, experimental extractors.

80 heavy copper dye tanks 2x2x2 to 2x2x24 feet. Lead and copper lined tanks, steel tanks, acid pumps, Brunswick ice machine, Saunders pipe machine, electric hoists, lot G.E.A.C. ½ to 7½ H. P. motors, inspection lamps, counter, platform and floor scales; office furniture, etc.

Descriptive, Illustrated Catalogue Upon Application to

SAMUEL T. FREEMAN & CO., Auctioneers
27 William Street, New York

1808-10 Chestnut Street
Philadelphia

80 Federal Street
Boston

Shipping Information

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New York Imports

ACID, CRESYLIC—332 dms
TARTARIC—400 bbls, 49,566 lbs, Pacific Coast Borax Co
ACONITE ROOT—14 bgs, 1,504 lbs, Chemical Drug Co
ALTHEA ROOT—35 bgs
AMMONIA NITRATE—1,250 dms
SULPHOCYANIDE—39 cks
ANNATTO SEED—294 bgs, Dalton Cooper, Inc
BONES—3,950 bgs
BRISTLES—3 cs
CARAWAY SEED—15 bgs, 2,200 lbs, Ludwig Mueller Co
CHROME ORE—7,000 tons, 1 qtr, 20 lbs, E J Lavino & Co
CLOVES—1,800 bls, 252,000 lbs, Geo Uhe & Co
700 bls, 98,000 lbs, Greene Trading Co
640 bls, 89,600 lbs, Inter American Product Corp
1,050 bls, 147,000 lbs, Catz American Co
100 bls, 14,000 lbs, Wm Archibald
100 bls, 14,000 lbs, Archibald & Kendall
480 bls, 67,200 lbs, B H Old & Co
720 bls, 100,800 lbs, J S Toledano & J M Pinto
500 bls, 70,000 lbs, Otto Gerdau Co
800 bls, 112,800 lbs, A G Dunn
32 bls, 4,480 lbs, J H Faunce, Inc
50 bls, 7,000 lbs, Chemical Bank Trust Co
250 bls, 35,000 lbs, Raphael H Elmaleh Corp
400 bls, 56,000 lbs, H S Cramer & Co
COLOCYNTH PULP—70 bls, Kachurin Drug Co
CORIANDER SEED—400 bgs, 100,000 lbs, C M Van Sillevoldt
666 bgs, 166,500 lbs, Anglo American Colonial Co
375 bgs, 93,750 lbs, Vineberg Trading Co
125 bgs, 31,250 lbs, S H Ewing & Co
250 bgs, 62,500 lbs, Kachurin Drug Co
250 bgs, 62,500 lbs, A G Dunn
250 bgs, 62,500 lbs, Archibald & Kendall
620 bgs, 15,500 lbs, B H Old & Co
250 bgs, 62,500 lbs, J H Forbes & Co
130 bgs, 32,500 lbs, R M New Hall Co
250 bgs, 62,500 lbs, Hudson Worth Corp
400 bgs, 100,000 lbs, S B Penick & Co
400 bgs, 100,000 lbs, Otto Gerdau Co
266 bgs, 66,500 lbs, Volkart Bros
CORK—100 bgs, Goudrand Shipping Co
61 bgs, Mundet Cork Corp
70 bgs, Fred Henjes, Jr
DISCS—25 bgs, Mundet Cork Corp
WASTE—1,650 bls, Mundet Cork Corp
WOOD—1,300 bls, Pablo, Calvet & Co
COTTON LINTERS—468 bls, Norton & Ellis
CREOSOTE SOLUTION—13 cs, 1,417 lbs, E Fougera & Co
CUMIN SEED—400 bgs, 44,000 lbs, D Hecht &Co
300 bgs, 33,000 lbs, D G Evans Tea & Coffee Co
275 bgs, 30,250 lbs, American Meshed Fur Co
200 bgs, 22,000 lbs, Volkart Bros
100 bgs, 11,000 lbs, Frank Tea & Spice Co
168 bgs, 18,480 lbs, Knickerbocker Mills Co
252 bgs, 27,720 lbs, R J Spitz & Co
CUTTLEFISH BONES—60 cs, 5,854 lbs, Rudolph Koppel
76 cs, 6,520 lbs, J B de Macedo & Stock
100 cs, 4,840 lbs, Hinton & Co
23 cs, 2,200 lbs, Goudrand Shipping Co
DILLSEED—300 bgs, 75,000 lbs, C M Van Sillevoldt
160 bgs, 40,000 lbs, Knickerbocker Mills Co
100 bgs, 25,000 lbs, Volkart Bros
100 bgs, 25,000 lbs, Martin Wurtsenburg
FENNEL SEED—300 bgs, 33,000 lbs, Otto Gerdau Co
500 bgs, 55,000 lbs, R J Prentiss & Co
100 bgs, 11,000 lbs, Sokol & Co
284 bgs, 31,240 lbs, Wessel, Duval & Co
500 bgs, 55,000 lbs, Irving Trust Co
FENUGREEK SEED—285 bgs, 31,350 lbs, R J Prentiss & Co
286 bgs, 31,460 lbs, Volkart Bros
156 bgs, 17,160 lbs, S B Penick & Co
266 bgs, 29,260 lbs, Raphael H Elmaleh Corp
FILTER PAPER—13 cs
FLEASEED—130 bgs, S B Penick & Co
130 bgs, Kachurin Drug Co
256 bgs, Peek & Velsor
92 bgs, National City Bank
66 bgs, Wm M Allison & Co
246 bgs, Laxseed Co
117 bgs, Royal Bank of Canada
205 bgs, T M Duche & Sons
133 bgs, Ideal Trading Co
133 bgs, R J Prentiss & Co
264 bgs, Brown Bros Harriman Co
GENTIAN ROOT—140 bgs, 15,400 lbs, S B Penick & Co
200 bgs, 22,000 lbs, Peek & Velsor
400 bgs, 44,000 lbs
GINGER ROOT—600 bgs, 84,000 lbs, L H Millen
50 bgs, 7,000 lbs, J H Forbes & Co
200 bgs, 28,000 lbs, D G Evans Tea & Coffee Co
420 bgs, 58,800 lbs, M S Cowen & Co
840 bgs, 117,600 lbs, A G Dunn
840 bgs, 117,600 lbs, Simon Beer & Co
95 bgs, 13,300 lbs, Volkart Bros
300 bgs, 42,000 lbs, H P Winter & Co
300 bgs, 42,000 lbs, R F Downing & Co
200 bgs, 28,000 lbs, Otto Gerdau Co
84 bgs, 11,760 lbs
GLUE, MARINE—120 tins
GUM, ARABIC—250 bgs, 50,000 lbs, Jacques, Wolf & Co
198 bgs, 39,600 lbs, Otto Gerdau Co
197 bgs, 39,400 lbs, H P Winter & Co
2,150 bgs, 430,000 lbs, Brown Bros Harriman Co
GHATTI—57 bgs, T M Duche & Sons
GUM, KARAYA—333 bgs, 53,260 lbs, Innis, Speiden & Co
61 bgs, 9,760 lbs, Wessel, Duval & Co
66 bgs, 10,560 lbs, Orbis Product Corp
133 bgs, 21,280 lbs, Brown Bros Harriman Co
LABDANUM—10 bbls, 1,320 lbs, Givaudan-Delawanna
40 bbls, 5,104 lbs, Rene Weil
OLIBANUM—134 bgs, S B Penick & Co
HAIR—10 bxs, 9,200 lbs
CATTLE—39 bxs, 9,770 lbs
HENBANE LEAVES—40 bgs, Kachurin Drug Co
KAMALA, PWD—40 bgs, R J Prentiss & Co
40 bgs, S B Penick & Co
LEECHES — 9 bskts, 550 lbs, Charles Jacobelos
MANGANESE ORE—5,414 tons, Leonard J Buck, Inc
MEDICINAL PREPS—6 cs, Garcia & Diaz
NUT KERNELS, GR—2,000 bgs, Van Norden & Archibald
NUX VOMICA—750 bgs, 135,000 lbs, G T German
OIL, CADE—10 dms, 5,214 lbs, Norda Essential Oil & Chemical Co
CASHEW SHELL—39 dms, Harvel Research Corp
ESSENTIAL—1 cs, Dodge & Olcott Co
GERANIUM—1 pot, The Dilsizian, Inc
LEMON GRASS—23 dms, United States Rubber Co
3 dms, Felton Chemical Co
6 dms, Van Ameringer Haebler Co
3 dms, Geo Lueders & Co
LAVENDER SPIKE—5 dms, 2,681 lbs, Norda Essential Oil & Chemical Co
3 dms, 2,329 lbs, Lo Curto & Funk
LAVENDER—5 dms, 2,468 lbs, Norda Essential Oil & Chemical Co
LIME, DIST—23 cs, 1,518 lbs, Dalton Cooper, Inc
PALMAROSA—5 pots, Volkart Bros
PEANUT—244 dms, Procter & Gamble Co
690 dms, Canada Packers, Ltd
333 dms, Swift Canadian Co
PENNYROYAL—1 dm, 497 lbs, Norda Essential Oil & Chemical Co
SANDALWOOD—18 cs, 1,080 lbs, Volkart Bros
ORRISROOT—19 bgs, Kachurin Drug Co
PAPAIN—20 cs, C L Huisking & Co
PAPRIKA—150 bgs, 16,863 lbs, Griffith Laboratories
100 bgs, 11,242 lbs, M J Golomback
100 bgs, 11,242 lbs, Archibald & Kendall
150 bgs, 16,830 lbs, Max Landau & Co
100 bgs, 11,242 lbs, A G Dunn
300 bgs, 33,552 lbs, Dominion Bank
100 bgs, 11,242 lbs, R F Downing & Co
100 bgs, 11,242 lbs, Hamburg Casings Co
10 bgs, 1,124 lbs, Victor Calderon & Co
25 bgs, 2,809 lbs, Safe Owl Products Co
25 bgs, 2,809 lbs, Canadian Pacific Railway Co
PIMENTO BERRIES — 351 bgs, Dalton Cooper, Inc
POPPYSEED—200 bgs, 22,000 lbs, C M Van Sillevoldt
QUEBRACHO EXTRACT—6,455 bgs, 774,600 lbs, American Tanners, Ltd
6,300 bgs, 756,000 lbs, International Product Corp
18,651 bgs, 2,238,120 lbs, The Tannin Corp
4,072 bgs, 488,640 lbs
RAPESEED—64 bgs, S Davis & Co
ROSEMARY LEAVES—341 bgs, 37,510 lbs, Kachurin Drug Co
100 bgs, 11,000 lbs, Herbert Marmarek
20 bgs, 2,200 lbs, Manufacturers Trust Co
SAFFRON FLOWERS—1 cs, Judson, Sheldon & Co
SAGE LEAVES—86 bgs, 13,244 lbs, A G Dunn
1,215 bgs, 121,039 lbs, Kachurin Drug Co
2 bgs, 220 lbs, Herbert Marmarek
200 bgs, 11,000 lbs, Manufacturers Trust Co
SESAME SEED—486 bgs, 72,900 lbs, D M Hatton Co
128 bgs, 19,260 lbs, N J Witsenberg
123 bgs, 18,450 lbs, Sokol & Co
80 bgs, 12,000 lbs, W G Scarlett & Co
66 bgs, 9,900 lbs, S B Penick & Co
63 bgs, 9,450 lbs, Credo Commodities Co
267 bgs, 40,050 lbs, Levy & Levis Co
200 bgs, 30,000 lbs, G T German
60 bgs, 9,000 lbs, R T French Co
192 bgs, 28,800 lbs, C M Van Sillevoldt
128 bgs, 19,200 lbs, R J Spitz & Co
128 bgs, 19,200 lbs, M Maffia
192 bgs, 28,800 lbs, Becker Mayer Seed Co
640 bgs, 96,000 lbs, S L Jones & Co
50 bgs, 7,500 lbs
SQUILL—50 bgs, R J Prentiss & Co
TALLOW—336 cks, 171,705 lbs
THYME LEAVES—166 bgs, 18,260 lbs, Kachurin Drug Co
8 bgs, 880 lbs, Herbert Marmarek
80 bgs, 8,800 lbs, Manufacturers Trust Co
TURMERIC—58 bgs, Volkart Bros
115 bgs, S B Penick & Co
FINGERS—94 bgs, Otto Gerdau Co

—V—

Baltimore Imports

CHROME ORE—11,000 tons
MANGANESE ORE—27,334 tons
PETROLEUM, CRUDE—167,000 bbls, Standard Oil Co, N J
ZINC CONCENTRATES—4,900 tons

—V—

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Chemicals:—Cuba has permited certain additional chemical products, declared not to be explosives or war materials, to be imported without the necessity of securing a prior permit from the Cuban Ministry of Defense. These products are nitrous oxide, helium, helium-oxygen, ethylene, cyclopropane, oxygen and carbon dioxide.

Chromates:—India has placed soda and potash chromates under the Chrome Compounds Control Order and sale or disposal of these products will be subject in the future to the same restrictions as sodium and potassium bichromates and chrome alum.

Quebracho: — Argentina has made the exportation of quebracho and urunday extracts subject to license.

Pure Fixed Oils:—Madagascar has exempted pure fixed oils, intended for industrial use after denaturing, from consumption taxes.

—V—

Botanical Drugs

Seeds

—Continued form page 64

Dill.—A raction higher at 8c. to 8½c. per pound results from seasonable broadening of demand.

Fennel.—Indian reduced to 8c. to 8½c. per pound. Easier at source.

Mustard.—Prime quality California brown at 18½c. to 19c. per pound. Good quality, 16½c. to 17c.

Poppy.—Turkish shaded to 44c. to 45c. per pound as competition pushes harder against slow market.

Rape. — Domestic dwarf Essex, August delivery, offered at 9¾c. to 10¼c. per pound.

Sesame.—Indian, natural, 8½c. to 9c. per pound; hulled, 12c. to 12½c.

Spices

Cassia.—Batavia, No. 1 thin quill, lower at 84c. to 85c. per pound; No. 1 regular, higher at 83c. to 84c; shortstick, higher at 83c. to 84c; broken, down to 73c. to 75c. China selected rolls, lower at 72c. to 74c.; broken, 70c. to 71c.

Clove.—Advance extended to 18c. to 18½c. per pound for Zanzibar goods.

Ginger. — Unbleached Cochin advanced to 26½c. to 27c. per pound. Calicut root offered at 26½c. to 27c.

Nutmegs. — Sole change came in West Indian at rise to 38c. to 39c. per pound.

Pepper.—Japanese Hontaka chillies rise to 43c. to 44c. per pound. Mombassa lowered to 23c. to 24c. No change in white or black peppers.

Trading in black pepper futures on the New York Produce Exchange from June 29 to July 3, inclusive, comprised 3 contracts. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
September	....	....	6.35@ 6.45
December	6.52	6.50	6.53@ 6.60

Pimento.—Spot goods shaded to 31c. at 31½c. per pound.

—V—

Buy War Bonds

Formaldehyde Plant for Eire

The Eire Emergency Scientific Research Bureau has erected a formaldehyde plant at Riverstown Distillery in cooperation with the Irish Alcohol Factories, Ltd. This plant will produce sufficient formalin to meet essential requirements and distribution of supplies has already begun,

GUM ARABIC
GUM KARAYA
(INDIAN GUM)
GUM GHATTI
GUM SHIRAZ
GUM EGYPTIAN
GUM TRAGACANTH
LOCUST BEAN GUM
CASEIN

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Index to Advertisements

Acme Steel Drum Co. —
Advance Solvents & Chemical Corp. 74
Alabama Charcoal Co. 40
Alexander, Jerome 53
Alkydol Laboratories, Inc. 50
Allied Asphalt & Mineral Corp. —
Amcon Trading Corp. 53
American Agricultural Chemical Co. 1
American British Chem. Supplies, Inc. 39
American Can Co. —
American Cyanamid & Chemical Corp. 10, 11, 59
American Firstoline Corp. —
American Flange & Mfg. Co. —
American Potash & Chemical Corp. 56
American Wax Refining Corp. 53
Analco Products Co., Inc. —
Anderson Prichard Oil Corp. —
Ansbacher-Siegel Corp. —
Apex Chemical Co., Inc. 60
Association of Consulting Chemists & Chemical Engineers, Inc. 53
Atlantic Coast Fisheries Co. 56
Atlantic Refining Co. —
Atlas Powder Co. —
B. & G. Interstate Products, Inc. —
Baker, J. T., Chemical Co. 1
Barcan, Irving, Company —
Barium & Chemicals, Inc. 39
Barium Reduction Corp. 39
Barrett Division 44, 69
Bayonne Company, Inc. 65
Bemis Bro. Bag Co. —
Benzol Products Co. 56
Berk, F. W., & Co., Inc. —
Bernard Color & Chemical Co. —
Binney & Smith Co. —
Blair Laboratory 53
Brighton Copper Works —
Brill Equipment Corp. 70
Brode Corp., The 52
Bromund, E. A., Co. —
Bureau of Chemistry 53
Burke, Edw. S. —
Bush, W. J., & Co., Inc. —
Bush Pan-America, Ltd. 66
Calco Chemical Division —
Calif. Fruit Growers Exchange 22, 74
Capital City Products Co. —
Carbide & Carbon Chemicals Corp. 2
Carey, The Philip, Mfg. Co. 49
Centflor Company —
Chase Bag Co. 60
Chemical Solvents, C. P., Inc. 74
Chrystal, Charles B., Co., Inc. —
Church & Dwight Co., Inc. 39
Coleman & Bell Co. 56
Colgate-Palmolive-Peet Co. 60
Colledge, E. W., General Sales Agent. —
Colton, Arthur, & Co. 48
Columbia Chemical Division 29
Commercial Solvents Corp. 6
Conray Products Co. —
Consolidated Products Co., Inc. 70
Continental Can Co. —
Cowles Detergent Co. 29
Crown Can Co. —
Cummins & Grant 53
Darling & Co. 52
Day Chemical Co. 53
Delta Chemical & Iron Co. —
Diamond Alkali Co. —
Distributing & Trading Co., Inc. 52
Dodge & Olcott Co. —
Doggett, Stanley, Inc. —
Dorward & Sons Co. 52
Douglass Sulphur Co. 40
Dow Chemical Co. —
Drew, E. F., & Co., Inc. 52
Duff Chemical Co., Inc. —
Dunkel, Paul A., & Co., Inc. 72
Du Pont de Nemours, E.I., & Co., Inc. —
Duquesne Smelting Corp. 40
Durez Plastics & Chemicals, Inc. 34
Eastman Kodak Co. —
Edwal Laboratories, Inc. —
Eelsingh & Lugtigheid 56
Ehrlich, J. 53
Ellis-Foster Co. 53
Emery Industries, Inc. —
Enco Chemical Corp. 60
Enequist Chemical Co. 40
English Mica Co. 50
Faesy & Besthoff, Inc. 74
Fairmount Chemical Co. —
Felton Chemical Co., Inc. 66
Ferro Drier & Chemical Co., Inc. 48
Fezandie & Sperrie 43
Fine Organics, Inc. 74
First Machinery Corp. 70
Food Research Laboratories, Inc. 53
Frank-Vliet Co., Inc. —
Franks Chemical Products Co. 48
Freeman, Samuel T., & Co. 71
Freeport Sulphur Co. —
Fritzsche Bros., Inc. 65
Fulton Bag & Cotton Mills —
Gane's Chemical Works 60
Gartenberg, H., & Co., Inc. 43
General Chemical Co. 42
General Drug Co. 23
General Electric Co. 32
Gesell, R., Inc. —
Givaudan-Delawanna, Inc. —
Golwynne Chemicals Corp. 27
Gray, William S., & Co. 1
Gray Industrial Laboratories 53
Greeff, R. W., & Co. 58
Griffin Chemical Co. 56
Gross, A., & Co. 51
Gruman, J. B., Co. 72
Hallowell, Horace J. 53
Hammond, W. A., Drierite Co. —
Hardesty, W. C., Co., Inc. 51
Harshaw Chemical Co. —
Heyden Chemical Corp. 55
Holt, C. J., Co., Inc. 53
Hooker Electrochemical Co. —
Hopkins, J. L., & Co. 63
Huisking, Chas. L., & Co. —
Hunt, Philip A., Co. 40
Hutchinson, D. W., & Co., Inc. 65
Imperial Paper & Color Corp. 49
Independent Mfg. Co. 51
Industrial Consulting Labs., Inc. 53
Inland Alkaloid Co. 58
Innis, Speiden & Co. —
International Pulp Co. —
International Selling Corp. —
Irvington Smelting & Refining Works. 40
Jackle, Frank R. —
Jones & Laughlin Steel Corp. —
Kachurin Drug Co. —
Kansas City Limeolith Co. —
Kelco Co. 63
Kellogg, Spencer, & Sons, Inc. 35
Kellys, John, Ltd. 72
Kem Laboratories, Inc. 41
Kentucky Color & Chemical Co. 48
Kessler Chemical Co., Inc. —
Keto Chemical Co. —
Knight, B. H. 53
Koppers Co. 45
Korody & Co., Inc. —
Krebs Pigment & Color Corp. —
Krumbhaar Chemicals, Inc. —
Laning, E. M., Co. 53
LaWall & Harrisson 53
Leghorn Trading Co., Inc. 56
Lemke, B. L., Fine & Rare Chemicals —
Leonhard, Theodor, Wax Co., Inc. —
Loeb, H., & Sons —
Lueders, George & Co. 65
Machinery & Equipment Co. 70
Magnetic Pigment Co. —
Magnus, Mabee & Reynard, Inc. 8, 65
Mallinckrodt Chemical Works. 57
Mann, F. J., Inc. 60
Marine Magnesium Products Corp. —
Maschmeijer, Jr., A., Inc. —
Mathieson Alkali Works, Inc. —
Maxim Chemical Co. 59
McKesson & Robbins, Inc. —
Menhaden Fish Products Co. 52
Merck & Co., Inc. 54
Metasap Chemical Co. —
Meyer, Herman, Drug Co., Inc. —
Michigan Alkali Co. 13
Millmaster Chemical Co. —
Mills, Zophar, Inc. —
Molnar Laboratories. 53
Monsanto Chemical Co. 33
Munch, James C. 53
Mutual Chemical Co. of America. 43
National Aniline Division. 73
National Box & Lumber Co. —
National Can Corp. 14, 15
National Lead Co. 21
National Milk Sugar Co. 56
National Rosin Oil & Size Co. 48
Natural Products Refining Co. 43
Neuberg, William D., Company. 38, 46
Neville Co. —
Newark Steel Drug Co. 50
New Jersey Zinc Co. —
N. Y. Quinine & Chemical Works, Inc. —
Niacet Chemicals Corp. 43
Niagara Alkali Corp. —
Niagara Chlorine Products Corp. —
Oil States Petroleum Co., Inc. —
Oldbury Electro-Chemical Co. 41
Orbis Products Corp. —
Original California Saponin Co. 58
Orthmann Laboratories, Inc. 53
Osborn, C. J., Co. —
Pacific Alkali Co. —
Pacific Coast Borax Co. 1
Pacific Vegetable Oil Corp. —
Paramet Chemical Corp. 47
Parker, Herbert H. 72
Parsons, M. W. 58
Peek & Velsor, Inc. 64
Penick, S. B., & Co. 62
Pennsylvania Coal Products Corp. 60
Pennsylvania Industrial Chem. Corp. 49
Pennsylvania Refining Corp. 67
Pennsylvania Salt Mfg. Co. —
Pfaltz & Bauer, Inc. —
Pfizer, Chas., & Co., Inc. 37
Phelps-Dodge Refining Co. 38
Philadelphia Quartz Co. 40
Philipp Brothers, Inc. 39
Phosphate Mining Co. 40
Pittsburgh Plate Glass Co. 29
Polak, Dr. Jose 56
Potash Co. of America 69
Prentiss, R. J., & Co. 64
Prior Chemical Corp. 1
Procter & Gamble. 51, 56
Publicker Commercial Alcohol Co. —
Purdy, W. S., Co., Inc. 53
Pure Calcium Products Div. —
Purocaine Chemical Co. —
Raisch, John E., & Co. 53
Reichhold Chemicals, Inc. —
Republic Equipment Co. 70
Republic Steel Corp. 46
Rheem Mfg. Co. —
Robinson-Wagner Co. —
Rogers, The Allen E., Corp. 40
Rosenthal, H. H., Co. 58
Rubber & Asbestos Corp. 48
Rufert Chemical Co. 27
Sadtler, Samuel P., & Sons, Inc. 53
St. Joseph Lead Co. —
Schuylkill Chemical Co. 56
Schwarz Laboratories, Inc. 53
Seil, Putt & Rusby, Inc. 53
Seydel Chemical Co. 58
Sharples Chemicals, Inc. 1
Shell Oil Co. 25
Sherwood Refining Co. 66
Silmo Chemical Corp. 58
Skelly Oil Co. 68
Smith, George F. —
Smith, Kline & French Labs. —
Snell, Foster D., Inc. 53
Socony-Vacuum Oil Co., Inc. —
Solvay Sales Corp. 26
Sonneborn, L., Sons, Inc. —
Southern Acid & Sulphur Co. —
Sparkler Mfg. Co. —
Standard Alcohol Co. 48
Standard Brands, Inc. —
Standard Oil Co. of Calif. —
Standard Synthetics, Inc. —
Standard Ultramarine Co. 49
Stauffer Chemical Co. 41
Stein Equipment Co. 71
Stillman & Van Sicklen, Inc. 53
Stillwell & Gladding 53
Stroock & Wittenberg Corp. 32
Sun Oil Co. —
Sundheimer, Henry, Inc. 38
Synthetic Products Co. 47
Taintor Trading Co., Inc. —
Tamms Silica Co., Inc. —
Tar & Chemical Div. of Koppers Co. 45
Tar Residuals, Ltd. —
Tennessee Corp. 40
Texas Gulf Sulphur Co., Inc. —
Thompson-Hayward Chemical Co. —
Thornton, The F. C., Co. —
Thurston & Braidich 72
Titanium Alloy Mfg. Co. —
Titanium Pigment Corp. —
Todd, A. M., Co. 66
Tombarel Products Corp. 66
Tucker, Irwin R., Co. —
Turner, Joseph, & Co. 50
Union Carbide & Carbon Corp. 2
United Clay Mines Corp. 74
U. S. Industrial Chemicals, Inc. 17, 18
United States Potash Co. 69
Universal Trading Corp. 52
Vanderbilt, R. T., Co., Inc. —
Velsicol Corporation 31
Victor Chemical Works. 40
Viking Distributing Co. 66
Vol-U-Meter Company 49
Wah Chang Trading Corp. 51
Warwick Chemical Co. 50
Weiss & Downs, Inc. 53
Welch, Holme & Clark Co., Inc. —
Westvaco Chlorine Products Corp. —
Wet Ground Mica Assn. —
White Tar Co. of N. J. 45
Wiley & Co., Inc. 53
Will & Baumer Candle Co. 53
Williams, C. K., & Co. 48
Wilson & Bennett Mfg. Co. —
Wilson Carbon Co. 34
Wilson-Martin Division 52
Wishnick-Tumpeer, Inc. 24
Woburn Degreasing Co. of N. J. —
Wolf, Jacques, & Co. —
Wood Preserving Corp. 45
Wood Ridge Division —
Zink & Triest Co. 72
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